

# Stein Club Advisers?

## Activities Meeting Debates Commissions To Students

Whether commissions should be paid by activities either to members or to other students was discussed at length at the fall conference of MIT activities, held Sunday in the Vannevar Bush Room. The group, composed of activities leaders, also considered help offered by the Boston Stein Club, the possibility of seminars for activities, and the progress of the Public Relation Committee's *Inscomm Newsletter*.

Controversy over the payment of commissions was heightened by Finance Board's recent refusal to allow *Technique* to give commissions to its staff salesmen and advertising staff. *Inscomm* had asked that both *Finboard* and Activities Council discuss the issue and submit reports; *Inscomm* would then decide.

Some Representatives to the conference proposed that the criterion for judging the use of commissions be its financial benefit to the activity in question. It was pointed out that publications, most of which are financially independent of *Finboard*, depend heavily upon advertising revenue; as selling ads is a hard, time-consuming job with little inherent reward, an added incentive is needed. It was further noted that the commission was being paid by the advertising, not by the students.

Others opposed commissions, noting that, in the case of subsidized activities, the student was in effect paying someone to sell him something (money for activities is provided by a small percentage of tuition payments). Several delegates assumed the practice to be wrong and attacked the situation from this angle.

The conference finally decided that non-revenue producing payments to be definitely banned, with revenue-producing payments subject to decision from above. While the group recognized the rather hazy distinction involved, it was hoped that this would provide a foundation for policy-formation.

The Boston Stein Club, an association of MIT graduates, offered to advise, on a trial basis, undergraduate activities. Advice would be given in distribution of information, recruiting personnel, finances, business contacts, and various projects. Of those representatives of activities which do not now have advisers, four showed interest in obtaining them and discussed the possibility privately with Mr. Harold Fine, BSC chairman.

It was pointed out that frequently activities do not recognize many of their basic problems; this point was reiterated during the discussion of management seminars for the activities, to be given by a rotating group of interested professors.

## Petitions Due For J P Committee Elections

### 4 PM November 21

The deadline for filing petitions for JP Committee elections has been extended until 4 p.m. tomorrow, November 21.

The extension was made, said John Downie '65, chairman of the elections division of the secretariat, to give candidates more time to present platforms and to give time for reviewing petitions and making up ballots.

It was thought necessary to move the deadline back a week because of the activity connected with this year's Junior Prom and because Thanksgiving Vacation would otherwise come in the middle of the campaign period, he said.

Elections will be held Tuesday, December 4, from 9 a.m. to 5 p.m. Booths will be set up in buildings 2 and 10.

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# King Of Metallurgy

## Named Dept. Head

Prof. Thomas B. King was appointed Head of the Department of Metallurgy, Thursday.

A graduate of the University of Glasgow, Scotland, he said he was "a little humble, but very pleased and proud" of the appointment. He indicated that he would build on and continue the work of Prof. John Chipman, former Department Head who retired last summer.

King came to MIT in 1953 at the age of 30. He is internationally known for his work on heterogeneous kinetics and thermodynamics of high temperature systems. In 1959 and 1961, he attended conferences in the USSR on his specialty.

His articles have appeared in the *Transactions of the Metallurgical Society of the AIME*, and is currently co-authoring a textbook on metallurgical engineering.

# SCEP Head Al Kessler

## Resigns, Leaves Institute; Seek Chairman Nominees

by Herb Eagle

*Inscomm* is looking for a new head of SCEP to replace Al Kessler. Kessler resigned two weeks ago saying that he was withdrawing from the school for one year.

The Institute Committee will elect a new chairman of the Student Committee on Educational Policy at its next meeting. SCEP is presently involved in a number of important projects relating to education at MIT, among them evaluation of courses through feedback and consideration of the cum rating.

All students interested in running for the office of chairman of this committee are requested to leave their names with the secretary in Litchfield Lounge.

Woody Bowman, UAP, said that *Inscomm's* Executive Committee would try to interview all candidates before the election and make recommendations to the full committee.

The Institute Committee voted unanimously to suspend a section of the by-laws of SCEP in order to allow students not now members of SCEP to run for office of chairman.

*Inscomm* members felt that, whereas previous work on SCEP would be an important criterion in selecting the new chairman, it was not necessary to exclude other worthy candidates from consideration. UAP Bowman summed it up by saying that the candidates should be creative and have a good understanding of the problems involved.

### International Week Planned

International Week will be held this spring from April 28-May 4. Juan Calvo De Dios, chairman of the International Program Committee announced that this traditional MIT event will include seminars, perhaps a noted speaker, a foreign film, and a day of international athletics.

# Committee Recommends International University

An international university sponsored by the North Atlantic Treaty Organization has been recommended for establishment in Europe in a report released last week.

A seven man working committee under chairman James R. Killian, Jr., concluded that "it is both feasible and desirable to establish in Europe an International Institute of Science and Technology." Their report urges the creation of five "interdisciplinary centers" plus a Center for Advanced Study.

The proposed centers would be Applied Mathematics and Theoretical Physics, Technological Processes and Systems, Materials Research, Earth Sciences, and Life Sciences.

Under the proposal, the Institute would be a strictly graduate school awarding its own degrees. Students would be on both a pre-doctoral and post-doctoral level. The Center for Advanced Study would provide for resident scholars without fixed requirements.

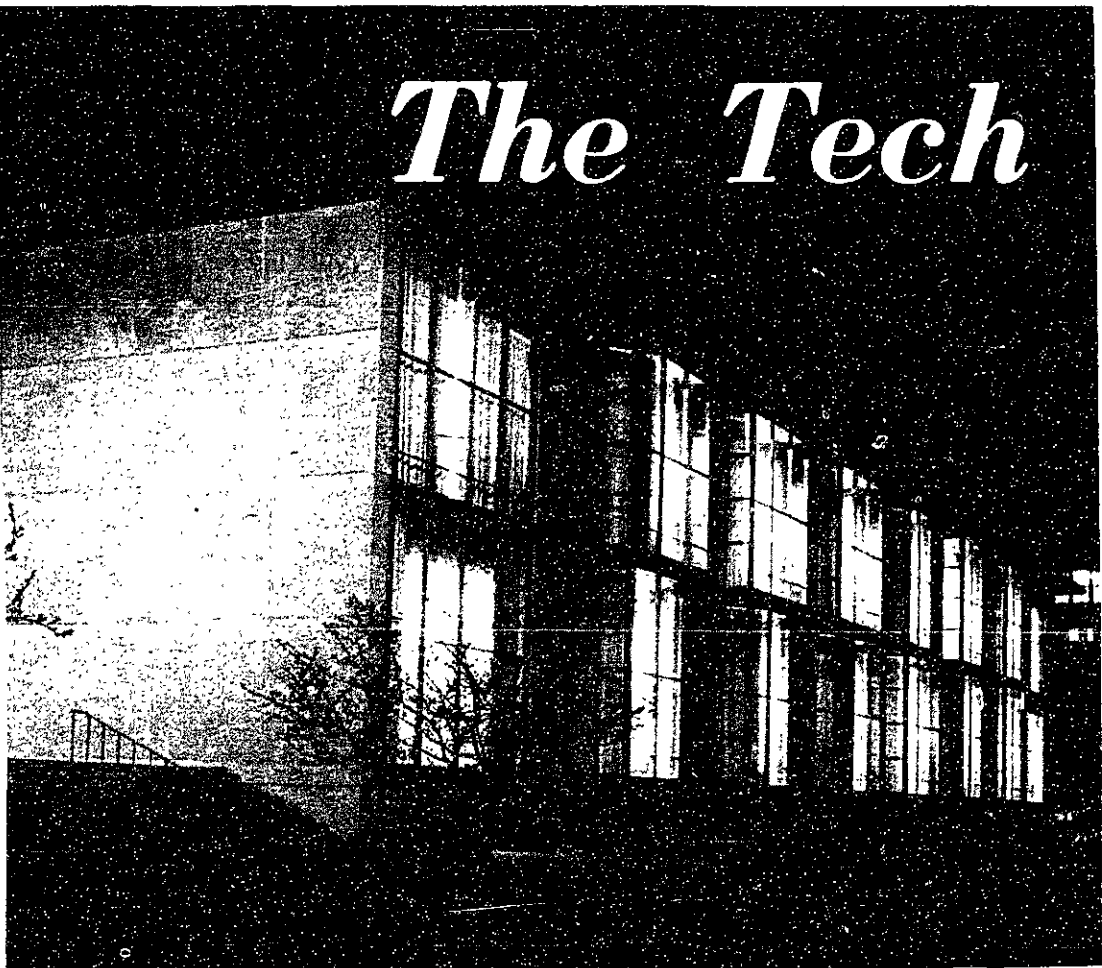
The intent of the proposed I.I.S.T., in the words of the Working Group would be "to supplement rather than duplicate the science and engineering departments of existing institutes."

"Such an international institution would have the opportunity to combine some of the advantages of North America, British and Continental universities...." The group concluded that the institute "Could be a fillip for Western morale, and a dramatic demonstration of the intellectual strength, vigour, and unity of Western nations working together."

The report calls for rigorous admission standards, each NATO country being assigned a quota, with some percentage being left for exceptional cases. Envisaged is a staff of 398, a student population of 1,025, and various assistants making for a total population of 2,478.

The initial capital investment is estimated at \$55.4 million, with recurring expenditures put at \$16.4 million. By comparison, it should be noted that MIT had educational expenditures for 1960-61 of \$25 million, and that the educational plant is valued at \$50 million.

(Please turn to page 8)



Vol 82, No. 23 Cambridge, Mass., Tuesday, November 20, 1962 Five Cents

## Conference To Be Here In April

# Federal Influence Debate Topic

By Ivan Johnson

An intercollegiate conference will be held at MIT April 4-7, 1963. The subject of the conference will be Federal government's influence upon the nature of our society.

Two delegates from each of about 50 American colleges and universities will discuss the role of the government in;

- (1) the maintenance of economic growth and stability,
- (2) labor-management relations,
- (3) scientific research and development, and
- (4) the psychological and sociological effects of government action.

The conference, to be sponsored by the Undergraduate Association, will consist of plenary sessions addressed by two guests speakers or by a panel who will introduce a main topic.

The delegates will then break up into small groups (10-15 persons) for further

discussion of more detailed points. The conference will end Sunday the 7th with a plenary session to evaluate the previous days' meetings.

Individuals of outstanding professional and academic merit and influence in relevant fields are now being invited to address the conference.

MIT faculty advising the conference committee include: Professors Max Millikan (chairman), Robert Solow, and E. C. Brown (Economics), Dean Gordon Brown and Gen. James McCormack (Scientific Research), Professors Donald Marquis, Warren Bennis and Dan Lerner (Psychology); Professors D. V. Brown and Abraham Siegel (Labor-Management Relations), and Prof. Elting Morison (General Advisor).

Further details of the conference will be available later in the term. Steve Kaufman '63 is chairman of the conference committee.

# Underpass Unroofs Another Truck



A Hertz rental truck in front of Baker House after it tried to get under the Memorial Drive underpass under Massachusetts Avenue. Two sides and the top of the truck body were sheared off.

—Photo by Allen Rosenberg

Another driver has misjudged the Harvard Bridge underpass — this time by 3'-11". Operating a Hertz U-Drive truck, William P. Coves, of Weston, Mass., was abruptly stopped as he attempted to clear the 10'-1" underpass last Friday evening.

Damage to the 14-foot high box-like van was complete, although the cab suffered no damage. The accident, which occurred at 6:00 p.m. Friday, was surveyed by officials from the MDC and the Hertz Rent-a-Truck Company, which towed away the battered truck.

Since commercial vehicles are forbidden on Memorial Drive, legal action may be taken against Mr. Coves. He said that the clearance sign on the bridge was "very hard to see."

### Spending The Vacation Here?

Read Making the Scene on page 7 for things to do this weekend.

## MUTS Lose 7-14 To Simmons In New Tech Intercollegiate Sport

By Toby Zidle  
Associate Tiddlywink Editor

MIT has gotten into one of the fastest growing intercollegiate sports in the nation—tiddlywinks. In fact, the MUTS (MIT Undergraduate Tiddlywink Society) have already played their first game. Unfortunately for the MUTS, they were on the short end of a 14-7 score in a home match against Simmons.

Captain Mike Platt '63 of the MUTS explained that his team (Seth Malin '63, Ivan Johnson '64, Alan Frey '63, and Platt) lost the match because of a lack of practice. Platt said that the MIT team was formed "in part to answer President Kennedy's call for physical fitness." Future MUTS tilts include a rematch with Simmons and a match against Wellesley. The team has already accepted a challenge from Harvard's GUTS (Gargoyle Undergraduate Tiddlywink Society).

In an exclusive interview with The Tech, Captain Pat Kane of Simmons' WITS (Women's Intermediate Tiddlywink Society) said "The victory was expected. We had a little more practice." The WITS had played one previous game, losing to the GUTS. Much credit was given by the Simmons' captain to the development of a new strategy—a memorial candle to Count Karnovsky, the inventor of the sport. She explained also that the WITS used "squopping" to greater advantage than did the MIT team. To "squop" is to cover your opponent's wink so that he can't shoot at the pot. In addition, the WITS attempted to "sink winks on a squigger." This is apparently analogous to golf's "hole-in-one."

Plans for the Simmons' team, in addition to a rematch with the MUTS, include matches with Newton College of the Sacred Heart, the Wellesley WARTS and the Smith SLUTS.

Attesting to the popularity of this new intercollegiate sport, MIT now boasts a second team—the Tech Newspaper Tiddlywinkers—formed this week by The Tech. The TNT's are now accepting challenges from teams equally as unpracticed as themselves.

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## Panel Examines Sino-India Border War

By Sutikshan Prakash

"Our hearts are very much with the Indians," concluded Mr. Geoffrey Godsell, Asst. Foreign Editor of the Christian Science Monitor. He was moderator at a panel discussion on the India-China Border War, held Wednesday in Kresge. The other panelists were Prof. J. K. Fairbank, Director of East Asian Studies and Prof. of History at Harvard, Prof. L. Lefebvre of the Center for International Studies at MIT, and Mr. Sunil Roy, Indian Consul-General in New York.

Why have the Chinese committed this aggression and why have they moved at this time? Mr. Godsell said that one of the secret weapons is the concealment of their aim. Prof. Fairbank thought that it was the result of traditional Chinese expansionism and it has been given added impetus by Marxist doctrine. The Consul-General stated that China once was the liberal element in the Communist world although this has changed. The aggression is more due to internal events in China than to any outside events.

Commenting on the economic changes likely to result in India, Prof. Lefebvre said, "India will have to undergo a major effort for military preparedness. The next five to ten years will have to be years of very great industrial effort. Also, unless India gets a lot of aid, military and otherwise, it is inconceivable that she will be able to immediately meet the other major industrial needs entailed by a war." He was pleased to note that Indians were giving up their hoardings, but he

thought that taxes should be raised, for "taxes stay after the first enthusiasm of giving has died away."

The Chinese have attacked the Indian border on two main fronts—in the Ladakh area and in the North Eastern Frontier Agency regions. "Have they chosen to attack in both areas because they think that they may be able to force India to negotiate over Ladakh by offering to retreat in the east?" asked Mr. Godsell. Prof. Fairbank said that it was hardly possible that Chairman Mao would do such a thing. "It is more a question of political supremacy in South Asia and of leadership of the newly emerging nations."

Prof. Lefebvre said, "China's drastic economic failures under communism are rendered more embarrassing by Indian success under free government. Peking wants to cause enough of a crisis to seriously hinder India's economic progress."

Talking about the conditions where the fighting is going on, Mr. Roy said, "The terrain is so difficult that it would embarrass goats." When asked why it took India so long to recognize the Chinese intrusion and to retaliate, he replied, "We did know right from the beginning. We did not then make noise because of our deep-seated desire for peace. Also, the fantastic response of the Indian people would not have been possible if India had not made every effort for peace."

A lot of the trouble has arisen because of the MacMahon line, which demarcated the border between India, Outer Tibet and Chi-

na in 1914, but was never officially accepted by China.

Prof. Fairbanks said, "The Chinese move out as they can. They don't recognize any line as binding, but consider history to be a dynamic process, allowing the stronger to expand at the expense of the weak." Prof. Lefebvre said that nobody was exactly sure of the border line and it is difficult to decide. "The Chinese hope to gain territory by keeping the line fluid."

Mr. Roy said that whenever there are two points of view, each side tries to back its stand with proof. "We found that they themselves did not have a clear idea of where the border lay. They couldn't draw a line on the map nor do their maps meet International cartographic regulations. They were unable to question our proofs and treaties. We were, in fact, able to provide them with some information their maps did not give."

The panel agreed that India should not be forced to pay a political price, in the form of abandoning its policy of non-alignment, in return for the Western aid it is now getting. Mr. Roy said, "Non-alignment has an important part to play and the Western leaders believe in this. It is only our invaders who think that it (non-alignment) is not only immoral but impossible." When asked about the consequences of an Indian defeat, on Afro-Asian nations, he said, "We do not even contemplate defeat."

All members of the panel thought that an all-out military defeat for India is impossible.

## Hank Perritt '66 Appointed Chairman Of FroshCon 'Contact' Committee

In the last meeting of the Freshman Council, Tom Jones, '66, President, appointed Hank Perritt, '66, Chairman of the Freshman "Contact" Committee.

An outgrowth of the SCEP "Feedback" program last year, (The Tech, October 31), "Contact" hopes this year to establish a more informal relationship between the section representatives and the lecturers in the basic courses. Each section will be represented in a small group which will meet with the respective lecturers. This will enable more people to participate than previously.

Humanities subjects have been added to the program this year. Small groups of students will dis-

cuss the courses and current events with instructors.

Perritt expects the first meetings to be held between the representatives and lecturers immediately after the Thanksgiving vacation.

## Quartet At Harvard Experiments In Stereo

Four musicians will present a unique concert at Harvard Monday night.

The members of the Fine Arts String Quartet will perform on the stage of Paine Hall, near Cambridge and Kirkland Streets, in combination with their own specially-made tape recordings. Two separate performances will be given, at 7:30 and 8:30 p.m.

The Quartet will play selections from Mendelssohn, Tchaikovsky, Ravel, and Bartok. In the performance, the musicians will alternate their playing with the sound of their own tape, reproduced through a stereo playback system. Switches will be made instantaneously, without losing the musical beat.

In the Mendelssohn selection, the Quartet doubles itself to play the eight parts of the Octet, Opus 20.

The Harvard Wireless Club is presenting the concert as a demonstration of a method of evaluating high fidelity equipment. The recorded portions of the concert will be reproduced through Dynakit preamplifiers and amplifiers and Acoustic Research AR-3 loudspeakers. There is an admission charge of 50 cents.

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## New Classification

# Political Organizations Hit By Activities Council Rule

Activities Council November 15 established a special activities classification for "politically oriented clubs . . ."

Activities falling under the new classification, such as RADP, Civil Rights Committee, and Young Republicans Club, will henceforth be prohibited from obtaining financial aid from Finboard, and will be unable to gain permanent seats on Activities Council. A statement that "close affiliation with National, or larger organization is strongly discouraged," was not approved.

New rules for use of the bulletin boards (referring to the large board in buildings 1, 2, 3, and 4) were also passed, and apply to all activities. The rules establish a priority system for the two facilities:

First Priority — Internal MIT activities sponsoring internal MIT events.

Second priority — Internal MIT activities sponsoring events outside MIT.

Third priority — Organizations external to MIT.

Fourth priority — Everything else. Special permission from the Activities Council or its chairman is required.

These priorities generally will apply only when the demand for

space or booths exceeds the available supply.

A more specific restriction on use of these facilities, aimed directly at political groups, stated that the MIT bulletin boards "shall not be used to publicize mass demonstrations or promote the interests of specific external political candidates."

Building 10 booths now may not be reserved more than 10 calendar days in advance by second-priority groups more than 5 days in advance by third-priority groups. There is no time limitation for first-priority groups.

The general philosophy underlying these new regulations was established at the previous Council meeting November 1. The members unofficially voted that: 1) political clubs have a definite place at MIT, 2) all actions of these groups using the MIT name should be limited to the campus, 3) such groups should have full access to use of rooms and secondary priority for use of bulletin boards and booths, except to publicize internal MIT events, and 4) these priorities should apply to all activities.

In other business, the Activities Council granted provisional recognition to the new Folk-Song Society as an MIT activity.

## Peace Corps Kauffman Seeks Seniors



Dr. Joseph F. Kauffman

Dr. Joseph F. Kauffman, Peace Corps Training Director, will discuss the Peace Corps in the Hayden Library Lounge Wednesday, Nov. 28. The meeting, will begin at 5 PM.

Dr. Kauffman is particularly interested in talking with senior students who might qualify for Peace Corps projects to be manned in January and June.

Although all backgrounds are needed in the Peace Corps, the most pressing need is for teachers of all subjects at all levels. Presently, more than 4,000 volunteers are working or in training in Africa, Asia and Latin America, and more than 10,000 Corpsmen are needed by 1964.

Corpsmen must be American citizens with no dependents under 18. Trainees receive two to three months of intensive education in the customs, history, culture and language of their host country.

Volunteers are assigned to two years in underdeveloped areas, and receive housing, food and clothing expenses plus a termination payment of \$75 for each month of service. Married couples who qualify for the same project are eligible.

Dr. Kauffman stresses the fact that math and science teachers are desperately needed.

Dr. Kauffman received degrees from University of Denver, Northwestern and BU. He served with the 85th Army in North Africa in World War II and since then has been active in education and humanitarian work.

## 'Summer' Is Missing

# Rickney Sculpture Taken From Kresge

By Dave Trevvett

"Summer" is missing.

It was sitting in the lobby of Kresge Auditorium when two "student types" casually walked in, carted it away to their car, and drove off. As of Sunday evening, it had not yet been returned.

"Summer" is a piece of sculpture by George Rickney, a painter-sculptor, noted for sculpture with moving parts. "Summer," in particular, consists of a system of slightly curved vertical shafts.

Averaging about six feet in height, these stainless steel shafts are weighted at the bases and pinned just above the weights, at approximately their centers of gravity. The short arms to which they are pinned are, in turn, fastened to a marble base.

"Floating" vertically, the shafts move in the slightest breeze, often reaching out like arms after passers-by.

The sculpture had been placed in Kresge November 9 as part of an administration effort to introduce various objects of art into the MIT environment, relating the arts and sciences. Donated by an alumnus, its purpose was to generate interest; apparently it generated a little too much interest.

It was about noon Thursday when Jim Murphy, manager of Kresge, heard a horn blaring insistently, behind the auditorium.

A truck was attempting to make a delivery but its entrance was blocked by a car. Murphy saw two youths putting the sculpture into this car, but before he could do anything, they had driven away.

As the delivery of the sculpture had been as informal as was its removal, authorities at first assumed that the alumnus had reclaimed his property. The truth, however, soon became evident.

The car has been partially identified by both Murphy and the parking officer (Campus Patrol) on duty. Although officials have few other leads, the theft is considered by most to be a prank. It is hoped that the sculpture will turn up in some suitable place

around the Institute; if it is returned intact, there is a fair chance that charges will not be pressed.

One cause for administrative concern is that the sculpture is far more delicate than its marble and steel parts would make it appear; and the work is of considerable value.

The administration is quite perturbed, as this was the beginning of what would have been a series both of art purchases by the Institute and of donations and loans from outsiders. This affair will not only reduce the chance of obtaining such objects, but will also cut down on the number of places in which they can be displayed.

## 21 The Tech Staffers Promoted

The Tech announces the following promotions:

From features staff to associate features editor — David E. Trevvett '65.

From news staff candidates to news staff — Lyall Morrill '66, Joseph Sullivan '66, and David Vanderwerf '66.

From features candidates to features staff — John P. Montanus '66, Jeffrey Trimmer '66, James W. Veilleux '66, Steven B. Lipner '65, Robert W. Davenport '66, Michael L. Shorestein '66,

Susan R. Hemley '66, Richard S. Russell '66, Anthony Pappas '66, Sutikshan Prakash '66.

From sports staff candidates to sports staff — John Reintjes '66, Ed Steinberg '66, Dave Enfield '66.

From entertainment staff candidates to entertainment staff — Mona Dickson.

From photography staff candidates to photography staff — Joseph Baron '66, Steve Teicher '66, John Terode '66.

## Three Years' Research

# Kosdon Wins Award For Rocket Fuel

Frank Kosdon 63, after experimenting for three years with rocket fuels, has won his second Undergraduate Award from the American Rocket Society.

Working with Ronald Winston, a Harvard English major with a background in chemistry, Kosdon was cited last year and this for producing "the best undergraduate paper on the art of rocketry."

The papers discuss research performed outside their regular academic programs to develop and perfect a reliable solid rocket propellant. These men are the first undergraduates to win the \$1000 award twice.

Last year Kosdon and Winston were guests of honor at the American Rocket Society conference in New York City. There they re-

ceived their first Undergraduate Award for development of the rubbery solid fuel, which combined high specific impulse and predictable performance with ease and safety of manufacture.

The partners worked this year to perfect the most desirable properties of the winning propellant. They also set about to obtain more accurate data on their previous, unperfected fuel; to experiment with different fuel grains under varied conditions; and to investigate high-energy additives such as aluminum dust and more successful organic explosives. The result was a reliable solid fuel with a much higher energy yield.

The partners worked this year to perfect the most desirable properties of the propellant. They set about to obtain more accurate data on the previous, unperfected fuel, to experiment with different fuel grains under varied conditions, and to investigate high energy additives such as aluminum dust and more successful organic explosives.

The result was a reliable solid fuel with a much higher energy yield. The fuel consists of a polyurethane resin, which also serves as a binding agent; the oxidizer is ammonium perchlorate.

## Conference Discusses Common Market Future

"De Gaulle's personality is holding France's government together. He holds the respect of the majority of French people, and although they do not agree with many of his policies, they accept them simply because they respect him."

This conclusion was reached in a discussion group at the McGill Conference on World Affairs last month. The discussion continued: de Gaulle is only partially committed to NATO for three reasons:

(1.) He wants to rebuild French grandeur.

(2.) He wants a French nuclear power separate from NATO. He fears American withdrawal from Europe, and the reluctance of the U.S. to use nuclear power.

(3.) He wants to make France a strongly nationalistic power.

De Gaulle's desire for atomic power was considered frightening because the weapons may fall into the hands of a dangerous successor when de Gaulle dies.

On the other hand, Prof. Robert Strauss-Hupe of the University of Pennsylvania said if we are willing to trust the Russians to inspect themselves in a nuclear disarmament treaty, then we should certainly be willing to trust the French. France is one of our staunchest allies, and a member of NATO, with nuclear weapons. Our men are stationed in France, and we have some control over the actions of the French.

Strauss-Hupe went on to propose an expansion of the European Common Market into a great Atlantic Alliance built around NATO. This union, he said, must be built around a strong military base as well as free trade.

Because it would control over 50% of the world's productive capacity, the union would make so much economic progress that the uncommitted nations would be forced to join or starve, said Strauss-Hupe.

Moreover, he claimed, the success of the Union would prove an irresistible temptation to the sat-

ellite nations of Eastern Europe, and eventually lead the Communists from the error of their ways.

In another lecture, Dr Seymour Harris, professor of Economics at Harvard and adviser to President Kennedy, outlined the alternative paths along which the ECM might develop.

There is great danger, he stressed, that the ECM could become an isolationist block, with high tariffs walling it off from the rest of the world. On the other hand, he suggested the influence of the United States, combined with a willingness to trade tariff concessions could result in an ECM that would increase world trade and raise the standard of living of the world.

The MIT representatives to the conference were Ed Hoffer 65, Bob Turtz 63, and Jason Fane 64. Finboard reimbursed them for their expenses of roughly \$80 each.

MIT will have a similar conference concerning the role of the federal government in modern society this spring, April 4-7. (See story on page 1).

## Voo Doo Drinking More

Voo Doo reports that its beer consumption has risen to 30 cases per month, compared to 15 per month last year.

Boston has the second highest rate of Alcoholism in large American cities. San Francisco is first.

## De Sola Pool Analyzes Voting Analysis



Professor Itiel De Sola Pool, Political Science, addressed a meeting of the Public Relations Society of America held November 12 in Kresge Auditorium. He discussed the use of computer analysis in the recent elections, and recent developments in political and public relations applications of computer simulation. The panel to the right, which presented its comments following his talk, consists of (l. to r.) public relations man William M. Pinkerson, psychiatrist Alfred N. Stanton, moderator Howard Curtis, and Greer Williams, another PR expert.

—Photo by Conrad Grundlehner

## LSC Presents

The Lecture Series Committee will present "High Noon," in room 10-250, this Friday, November 23, at 6:30 and 9:00 p.m. Admission will be \$.30. (thirty cents).

# THE TECH

Vol. LXXXII No. 24 Nov. 20, 1962

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Unsigned editorials appearing in THE TECH constitute the opinion of the newspaper's Board of Directors, and not that of MIT. The newspaper welcomes letters from its readers. Space permitting, such letters will be printed in whole or in part, if deemed by the editor to be of sufficient interest or benefit to the community. Brevity increases the chance of publication. Anonymous letters will not be printed. Names will be withheld upon request.

DEADLINES: Noon Thursday—Advertising; 11 pm Saturday—Photography; noon Sunday—Sports, Features, Entertainment; Letters to the Editor; 7 pm Monday—News.

## Senior Tutors

The Class of 1966 will get its first taste of the MIT grading system when midterm reports are distributed today. Coincidentally with this, a proposal has come up which could provide help for those freshmen who find the taste bitter. Why not set up a program of extra tutorial sessions for the freshmen who would like them? A number of seniors in every course have the ability and desire to try their hand in a teaching situation.

The most important ingredient in the success of this plan is that it be given a small but significant place in the academic framework. If the tutorial sessions become anything but quiz reviews, regular contact with the instructor in charge of the course will be a necessity.

The benefits which could be derived by both parties to the plan are attractive.

## Kibitzer

By MICHAEL LINAH

### NORTH

♠ Q J 3  
♥ 4 3 2  
♦ K 7 5 3 2  
♣ A 7

### EAST

♠ 4  
♥ J 9 8 7  
♦ Q J 10  
♣ 10 8 4 3 2

### WEST

♠ 9 8 7  
♥ A Q 10  
♦ 8 4  
♣ K Q J 9 5

### SOUTH

♠ A K 10 6 5 2  
♥ K 6 5  
♦ A 9 6  
♣ 6

The Bidding. Neither side vulnerable. South dealt:

SOUTH	WEST	NORTH	EAST
1 ♠	2 ♣	2 ♦	pass
2 ♠	pass	3 ♠	pass
4 ♠			

### ALL PASS

West led the King of Clubs. There is no such thing as an automatic play in bridge. It is this part of the game which is most demanding, since it requires looking for the unobvious play in a very obvious situation. Take today's hand, where South was down one before he knew what hit him.

West opened the King of Clubs against South's four spade contract. North put down the dummy, and South played the Ace. Taking stock, South noticed that, since a diamond had to be lost in any case, the contract depended on not losing three heart tricks.

The bidding tended to indicate

that the Ace of Hearts was off-side, so South concluded his only chance was to keep East out of the lead while he established his dummy's diamond suit. Accordingly, he pulled two rounds of trumps with the Ace and Queen, winding up in dummy. He now led a small diamond, intending to duck the trick into the West hand by playing the nine.

When East played the ten, this became impossible, and South played the Ace and King, followed by a low diamond, which East won. The Jack of hearts came through, and the hand was all over except the post mortems. Down one.

South, who talks an excellent game of bridge, explained how he had planned to guard against losing three heart tricks with his cleverly planned duck of the diamond. North knew better than to interrupt South when he was explaining his misplays, so he remained silent while the rationalizing continued.

North criticized South for failing to plan his play. South objected, but North asked him why he had played the Ace of Clubs to the first trick. South replied that it was automatic.

Note that South makes five spades if he ducks the first club. West continues with anything. South draws two rounds of trumps as before, but pitches a small diamond on the Ace of clubs. He

now ruffs high to establish the diamond suit on the third round, draws the last outstanding trump going back to dummy, and runs the diamond suit pitching two hearts.

North has adopted a new procedure with South. He as dummy, notices what suit is led. As he lays down the dummy, he puts the other three suits down, slowly. Finally, the led suit is put down. This way, he figures, South might just think a little before automatically playing to the first trick. But South—"After all, what fun is a game if you have to think all the time?"

### PUZZLER

Answer to last week's hand:

You South hold:  
♠ A 10 5 2, ♥ 4 3 2, ♦ Q J 10,  
♣ A 8 4

The bidding has proceeded:

NORTH	EAST	SOUTH	WEST
pass	1 ♠	pass	1 notrump
pass	2 ♠	pass	3 ♥
pass	4 ♥		All Pass

What is your opening lead?

Answer: A heart. This just has to be the killing lead. West is marked with shortness in spades, and if you don't start pushing trumps on this hand from the very start, South is going to be able to ruff out all his spades with dummy's trumps.

This week's hand:

Both sides vulnerable, East West with sixty partial. You South Hold:  
♠ Q 2, ♥ K 4, ♦ J 10 9 8,  
♣ K Q J 9 8

West opens with one club, North and East pass. What do you bid?

## Letters to The Tech

### SCEP Member Scores Incomm Action

To the Editor:

It has come to my attention that the Institute Committee has suspended its constitution in regard to one of its subcommittees — SCEP. (Student Committee on Educational Policy). They have decided to open the SCEP Chairmanship to a student outside the committee since the prime candidate within SCEP is not known by many Institute Committee members.

For the two years that I've been at Tech and have been a member of SCEP, the committee chairman has always been associated with SCEP for at least some time. It is virtually impossible for anyone not presently on the committee to assume effective control since he could not possibly know the extent of the operation or the members of the committee. The best possible training for the job is the leadership shown by the two previous chairmen and the experience gained by being its secretary.

More than needing a political favorite of the Institute Committee, SCEP needs the leadership of a devoted committee member. The success of an organization lies within the dedication of its leadership. Why should a student who has never taken the trouble to join the committee be selected over one who has already proven his devotion towards it?

The only acceptable candidate would have to be from SCEP, and the most qualified member of SCEP is the present secretary and temporary chairman (by the constitution), Steven Dreier.

I challenge the present UAP and the entire Institute Committee to publicly state why they must usurp powers by disregarding the constitution.

Charles A. Elias

### Committee Members Deplore Junior Prom Coverage

To the Editor

The MIT 1962 Junior Prom has passed. As members of the Junior Prom Committee, we are forced to comment on the coverage of the Junior Prom and the quality of this coverage by *The Tech*.

The very first article announcing entertainment for the weekend was placed in an obscure position at the bottom of the front page. Given higher priority in the same issue, with a larger headline and considerably more space was an article simply announcing the "possibility" of a Winter Weekend. In subsequent issues, we requested articles on the various entertainers. You refused to print them, stating they were "not really news." It seems that articles such as "Dyeing for Color: Snails, Cochineal and Tars," and "Have a Spare Cave? Rent it as an Industrial Site" (concerning caves in Kansas City), articles which appeared in the Oct. 24 issue of *The Tech*, are considered to be more newsworthy. *The Tech* re-

more newsworthy. *The Tech's* thoughts concerning what is important and what might interest the MIT community are quite confused.

*The Tech's* refusal to cooperate with us seems enough to complain about. However, your final coverage of JP (in the Nov. 14 issue) prompted this letter. This article was an example of the worst in journalism. Your initial sentence contained a statement that JP Weekend "stands a 10 to 1 chance of making money..." Although it is true that some profit will be realized, the quotation of any type of odds by *The Tech* seems ridiculous and shows poor judgment. Run-on sentences filled the article. One contained 43 words. Upon reading this article, one was led to believe that the JP Queen had led the band Friday night. Guests of honor were listed as Deans Wadleigh and Holden. May we inform you that there were thirteen guests of honor. Their names could easily have been gotten from the JP Program which everyone in attendance received. This is a flagrant example of poor reporting. On Saturday afternoon, many photographs of Peter, Paul and Mary were taken. The photograph appearing in *The Tech* seems to indicate that the worst of the lot was chosen. To top everything, you said that "a packed armory" greeted the program (Peter, Paul and Mary). You may recall that this concert was held in Kresge.

Certainly one cannot expect a student newspaper to be perfect. Even the *New York Times* often makes mistakes. A certain minimum of cooperation with student activities and an attempt to set a minimum standards of journalism should be part of a college newspaper's policy. While past mistakes cannot be changed, *The Tech* should try to correct the present situation.

Only the managing board of *The Tech* can modify policies concerning cooperation with MIT activities. What you report is a decision of your editors. On the other hand, we hope the enclosed gift of Strunk and White's *The Elements of Style* will lift the quality of your writing above that exemplified by the November 14 JP article.

Steven Glassman  
Bruce Strauss

Some of the above charges constitute valid criticism; but Messrs. Glassman and Strauss, presumably with intimate knowledge of the situation and without the pressure of a deadline, have committed several glaring inaccuracies which illustrate the difficulties of handling a story of large scope without error.

The "first article" referred to above was run on September 26; contrary to the assertion in the letter, there was no "Winter Weekend" article in that issue (the first "Winter Weekend" (Please turn to Page 5))

### PEANUTS

IS YOUR MOTHER ENJOYING HER NEW TANGERINE POOL TABLE?

OH, YES... SHE AND HER GIRL FRIENDS HAVE A GOOD TIME... THEY DRINK COFFEE AND PLAY POOL ALMOST EVERY MORNING...

11-20

SHE SPEAKS A WHOLE NEW LANGUAGE NOW...

LAST NIGHT SHE SAID TO ME, "GO TO BED, EIGHT-BALL!"

PEANUTS appears daily and Sunday in the Boston Herald.



## Letters to The Tech

(Continued from Page 4)

story appeared October 3). The "articles on the various entertainers" which were requested were, in general, biographical glorifications of the performers, and were judged by the editor to be of negligible reader interest.

With regard to the quotation of odds, the letter neglects to point out that the statement "this year's JP Weekend stands a 10 to 1 chance of making money" was attributed to Charles A. Elias, a member of the JP Committee.

We recognize our limitations, but suggest that only constructive criticism can be of substantial value to us. Editor

### To Read or Not To Read, Library Authoritarians

To the Editor:

Given the necessity of a role excluding non-MIT students from the MIT libraries it is perhaps worthwhile to step back for a moment and reflect on just what the purposes of such a rule are.

It appears to me (although I now know of at least one individual who disagrees with this) that there are essentially three purposes. These are:

1. To prevent the overcrowding of the libraries at the expense of MIT students.
2. To prevent those people who do not pay MIT tuition or a library service fee from using the books and facilities at the expense of MIT students.
3. To prevent the less academically oriented and perhaps even frivolous individual (which in certain peoples' "minds" seems to mean anyone who doesn't attend MIT) from causing any annoyance to those who are concentrating.

This is all very well and good. The rule is justified on the basis of these three purposes. Is not the spirit of the rule also quite clear in the light of these purposes? Does it seem unreasonable to expect that a student working in the library in some position of authority should recognize the spirit of the rule and enforce it with some degree of common sense?

An example will clarify my point. It is Saturday afternoon and the reserve book room is practically empty of students. In comes an MIT student with his quite serious girl (perhaps intellectually quite superior to the student behind the counter) and she is promptly informed that she cannot stay. She has no desire to use the books etc. and only wants to study quietly by the side of her loved one. In turn she is refused admission because "the rule says no and furthermore it's posted right on the door."

This is not only unreasonable to the parties directly involved but unreasonable to those students who are already studying in the library (what student would deny that he steals an occasional

glance?). Its also not very good for the MIT "image".

My suggestion would be to excuse the "legalistic" mind from his work in the library and let him go study in his own little cubicle. Perhaps there he can work hard enough to get into law school and gain at least some contact with reality.

(Name Withheld)

### Cigarettes Again — Pay the Price

To the Editor:

As a parent of a recent graduate I write you regarding your editorial, "Facts of Life" (Nov. 7) in which you state that "it is no longer possible to ignore the direct connection between cigarette smoking and the occurrence of lung cancer and other respiratory ailments." Because of the dire effects of cigarette smoking the prominence of cigarette advertisements in The Tech has long troubled me. I was glad therefore that you have finally faced up to the question of eliminating such advertisements.

However the reason why you seem to believe this advertising must continue—your economic dependence on it—is illogical, if I may say so. It is not the American Cancer Society experts who must answer the question of what deficits. It is the publishers of The Tech. Would you continue to publish ads by makers of narcotics or revolvers especially made to play Russian roulette if your existence depended on revenue from them?

I am certain that with the intelligence at your command and with the backing of a great Institute which knows that publication of cigarette advertising in The Tech is indefensible you can proceed to ban such injurious advertisements and continue to publish your very fine paper.

A further word. Exclusion of such ads in The Tech would set an admirable example which other school papers would undoubtedly follow.

With all best wishes.

Alumni Parent

## Educational Washington

WASHINGTON — The 88th session of the U.S. Congress will hold hearings next year on the imbalance of federal aid to higher education—one of the hottest controversies on the American campus.

Putting the problem before Congress will be a House labor and education subcommittee headed by Rep. Edith Green, D-Ore. Aired during these hearings will be many of the problems cited by Harold Orlans in a Brookings Institution report, "The effects of federal programs on higher education."

After a detailed study of 36 colleges and universities receiving varying amounts of federal aid, Orlans spelled out the problems this way:

1) Leading universities with top quality faculty are getting the lion's share of the federal funds for research in their science departments. Some social science departments are receiving aid while the humanities are being almost completely ignored.

2) While the aid benefits the science departments of a few universities, it hurts their education programs by keeping the top professors out of the classroom and in the laboratory. The federal money is putting science faculty members in a higher income bracket, and making the best students wonder whether a career in the humanities is really worthwhile.

A part of the solution to this growing problem, according to Orlans, is to broaden the federal programs for large state universities.

"Although you can't expect a federal agency to ask a small midwestern university to undertake a program that could only be handled by the facilities at MIT," Orlans said in an interview, "we must foster more projects for the smaller but competent researcher."

Both the National Science Foundation and the National Institutes

## Aid Inequities To Be Probed

of Health have recently started to do this:

At the NSF, where basic research is primary, the universities getting lesser amounts of funds are being helped. As of fiscal 1962, the NSF is granting funds based on a percentage of the university's over-all federal program costs.

"This program lets the school do whatever it wants with the additional money and generally strengthens its science department," said Clyde Hall, NSF spokesman.

More than \$6 million was given to universities under this program during fiscal 1962 and the NSF hopes to double that figure in fiscal 1963.

The National Institutes of Health distributed \$20 million under a similar program, but required it be used toward definite programs in medical schools.

Orlans is not alone when he reports that federal programs must be directed at aiding the man in the classroom. Agreeing with him is almost every government agency contracting research programs. Aiding the educator was the recommendation of a presidential fact-finding committee headed by J. Robert Oppenheimer, chairman of the Atomic Energy Commission.

Capital Hill sources are predicting that Congress will eventually direct a broadening of the distri-

bution of research programs. There seems little or no opposition to such action.

Offering the biggest struggle on Capitol Hill will be the problem of aiding the much-ignored humanities departments. Most humanities support now comes in the form of student aid and a few research and education projects for various humanities programs.

Government education officials said Congress could help most in this field by creating aid programs to bolster these departments. However, hopes are dim that the humanities will receive aid similar in magnitude to that which science departments are getting.

Social sciences, however, are becoming more aware of federal programs which can improve their faculty and department situations. Orlans reports that federal aid to the social sciences is drawing a larger student enrollment, even though natural sciences are getting the largest slice of the pie.

### UNICEF Christmas Cards Available

UNICEF greeting cards are available at the United Nations Information Center, 105 Newbury Street, Boston, Mass.


## Military Service Guide Explains Reserves Plan, Draft System, ROTC

The Student's Guide to Military Service, a recently published book by Michael Harwood, contains much detailed information on military service applicable to draft-age students.

It discusses education in the service, the selective service system, the service choices available, the reserve programs, officer training, and special military services.

The book has a special chapter on government-paid college education and college completion programs, correspondence instruction, tuition assistance, and early discharge to return to school.

Published by the Channel Press, it costs \$5.95 for the hardcover and \$2.95 for the paperback edi-

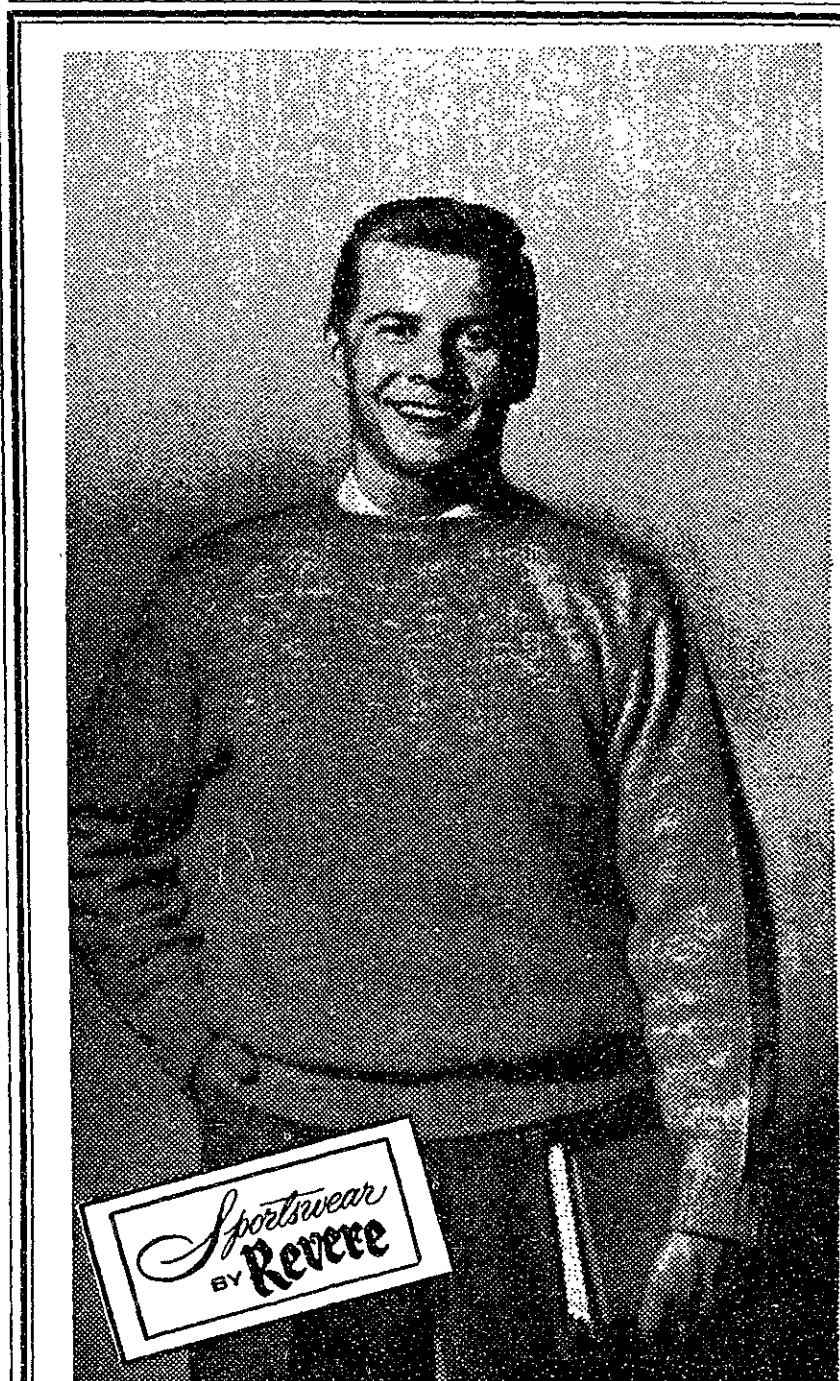


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## Making the Scene

### THIS WEEK

**Boston University Glee Club**—School of Fine and Applied Arts Concert Hall, Nov. 20, 8:30: "Hosanna to the Son of David," Purcell's "An Evening Hymn," Brahms' "Feldensamkeit," and selections from Handel's "Israel in Egypt," Mendelssohn's "Elijah."

**Ann Golden, Contralto**—Songs by Jean Absil and Robert Schumann, Gardner Museum, Nov. 25, 3:00.

**Master Class in Opera**—Nov. 26, 8:30, Jordan Hall; tickets \$3, \$2, \$1.

**David Oistrakh**—Nov. 27, Symphony Hall, 8:30.

**Massey Scotts Bands**—100 men of the Royal Scots Grays and the Argyll and Sutherland Highlanders; Boston Garden, 8 p.m., Sat.

### MISCELLANEOUS

**Loeb Drama Center**—"The Ghost Sonata" by Strindberg, Nov. 20-24, 8:30; two performances on last night; tickets \$1.50; Fri. and Sat. \$2.

**Poo-Hsing Theatre**—John Hancock Hall, Nov. 23-24, 8:30, Sat. mat. 2:30; tickets \$4.50, \$3.50, \$2.50.

**LSO Special Movie**—"High Noon," Fri., Room 10-250, 8:30 and 9 p.m. 30c.

**Justice William O. Douglas**—"Russia Today," Nov. 25, Ford Hall Forum, Jordan Hall, 8:00.

### NEXT WEEK

**Regine Crespin, Soprano**—Nov. 29, Harvard Square Theatre.

**Makovani**—Symphony Hall, Nov. 29, 8:30.

**New England Conservatory Orchestra**—Nov. 29, Jordan Hall, 8:30; Gershwin's "Concerto in F," Debussy's "Jeux," Schoenberg's "Cinematographic Scene," Mozart's "Symphony in G"; no charge.

**Belafonte**—Donnelly Memorial Theatre, Nov. 30-Dec. 9.

**Alfred Deller, Counter Tenor**—Dec. 1, Jordan Hall, 8:30; tickets \$3.50, \$2.50, \$2.20.

**New England Conservatory Chorus**—Jordan Hall, Dec. 5; works by Spanish composer Juan Blas de Castro; no charge.

**Stanley Brakhage Film**—Avant garde, BU Public Relations Auditorium, Dec. 4 and 6, 7:30.

**"Thieves' Carnival"**—By Jean Anouilh, Nov. 29 through Dec. 2, Fine Arts Theatre.

## Forum To Discuss Legal Qualifications

The Boston College Law School will give a forum on the subject "Who Should Go To Law School?" December 1 from 9:45 am to 3:30 pm.

The speakers will be Frank Walwer, Assistant Dean and Director of Admissions, Columbia University Law School; Thaddeus Seymour, Dean of Dartmouth College; Brother Alexander Joseph, FSC, pre-legal director, Manhattan College.

At 11:45, Assistant Dean William Bruce of Harvard Law School will give an address on "Opportunities in the Legal Profession."

## music at mit

# Choral Society Premieres Oratorio

Last Sunday, the MIT Choral Society, under the direction of Dr. Klaus Liepmann, presented a concert of two Christmas works: Arcangelo Corelli's *Concerto Grosso Op. 6 No. 8*, and Fritz Buchtger's *Christmas Oratorio*.

The program was interesting, for the two works are as widely separated in their respective musical idioms as they are in time. The Corelli, written at the end of the seventeenth century, is a masterpiece of classic grace and beauty. Dubbed the "Christmas Concerto," it is a program piece for a concertino of two violins, 'cello, and harpsichord, with a ripiendo of strings.

Performing on Sunday was a small professional orchestra (formerly the Cambridge Festival Orchestra), energetically conducted by Dr. Liepmann. The work started well, with the solo group (Robert Brink and Giora Bernstein, violins; Judith Davidoff, 'cello; and Dr. Mattfeld, harpsichord) and the ripiendo blending smoothly together as they conversed with one another. The 'cello was especially beautiful in the first Allegro as it discretely accompanied the two violins. In the second movement Messrs. Brink and Bernstein revealed their grace and charm in the Adagio theme.

But then the performance seemed progressively to lose some of its balance and control. The Vivace was light and gay, but neither it nor the Allegro were precise enough. The dynamics were good and well contrasted, but their effect was reduced by this fuzziness.

The Pastorale, especially in the violins, was not as pure and simple as the shepherd scene it was to depict. On the whole, however, the intonation of the strings and interpretation of the piece were pleasing and well received by the audience.

After the intermission, Herr Buchtger conducted the orchestra (now augmented by winds), the Choral Society, and soloists Helen Boatwright, soprano, Ruth Sullivan, alto, Donald Sullivan, tenor, and Paul Matthen, bass, in the world premier of his *Christmas Oratorio*. The work, sung in German, takes as its text five passages from Luke and Matthew:

*Concerto Grosso, Op. 6, No. 8 (Christmas Concerto)*—A. Corelli (1653-1713). Robert Brink and Giora Bernstein, violins; Judith Davidoff, 'cello; Victor Mattfeld, harpsichord.

*Christmas Oratorio*—F. Buchtger (b. 1904). Helen Boatwright, soprano, Mary; Ruth Sullivan, alto, Elizabeth; Donald Sullivan, tenor, The Angel; Paul Matthen, bass, Narrator, Herod and Simeon.

*Die Verkündigung (The Annunciation)*, Luke 1:26-38; *Maria und Elizabeth*, Luke 1:39-55; *Die Geburt (The Nativity)*, Luke 2:1-20; *Drei Könige (The Three Magi)*, Matt. 2:1-12; and *Simeon*, Luke 2:25-35.

Buchtger expresses these passages musically in what is known as twelve-tone or "atonal" technique. Tonal composers use the traditional scales of seven divisions to the octave, with one particular division serving as the "bottom" note of the scale. However, the atonal composer divides the octave into twelve half-tones (the chromatic intervals), and orders them, as he sees fit, into a series of twelve tones. All twelve-tone rows contain the same twelve notes; it is the order in which they are played, and thus the intervals between successive notes that determines a particular row. And once the row is established, it may be presented in any octave, transposed, inverted, reversed, or any combination of these, with the notes played individually or several at once. The result, with its startling intervals and dissonances, often jars the ears of listeners searching for familiar sounds.

However, in the case of the *Christmas Oratorio* Herr Buchtger achieved remarkable success in creating a sound which, while being extremely difficult to perform, was quite pleasing to the ears. The rows themselves were striking and well suited to solo lines, while most of the contrapuntal material was placed in the orchestra, uniting the motion of each section into one flow of musical expression.

The soloists grasped the extremely difficult intervals with precision. Especially good was Mrs. Boatwright, who, as the Virgin Mary, had a dramatic purity of voice and expression almost perfect. The chorus also proved its understanding of the music as it gathered up the twelve tones and laid them into beautiful and dramatic chords. The pronunciation and balance were excellent; and the pitch, especially when the female voices accompanied the solo tenor, was quite accurate. It is an impressive sight to behold such an enormous mass of voice suddenly and precisely take life. The chorus' first entrance, at the opening of *Die Geburt*, was an example of the beauty and power of Buchtger's choral passages; and throughout the section, the exact rhythm and heightening excitement of the score was made clear by the chorus. Granted, there were several difficulties in the performance: the covering of the tenor and alto soloists by the orchestra; and the roughness of the soli quartet in the *Drei Könige*. But the moments of beauty and revelation far outshine these difficulties.

## N. E. Conservatory Plans Free Concert

The New England Conservatory Orchestra will present a concert November 29, at 8:30, in Jordan Hall.

Works of Gershwin, Debussy, Schoenberg and Mozart will be presented. Before Gershwin wrote his *Concerto in F*, he had to read a text book explaining the concerto form. This concerto was later included in a list of the fifty best compositions of this generation.

Debussy's "Jeux," is an impressionistic ballet beginning with the musical picture of a tennis match and concluding with the portrayal of a triangle love affair.

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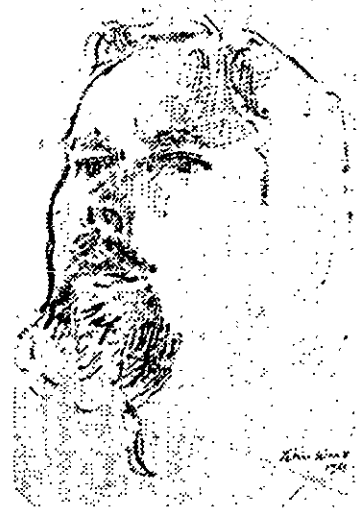
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## Engineers & Scientists

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Merle Travis

Friday, December 7th, Jordan Hall, \$3.50/2.80/2.20

## From One Square To Another...

(A paid advertisement of a non-political nature  
sponsored by the committee for saner social  
relations.)

What's happened at the HONEY BEE (700 Mass. Ave., Cambridge) that has triggered such a mass migration from M.I.T. to Central Square over the past ten days?

Is it true that several M.I.T. graduate students have received a HONEY BEE research grant which may, eventually result in a compressed air device which will automate the player piano? Reliable reports indicate that the Young Waitress League (which now holds the pumping contract) intends to air charges on the subject and a strike vote is in the wind.

Why are arrangements now underway by 2 prominent pedants to sponsor a 4 credit hour extension course in folk music each Friday and Saturday evening? What nationally known folk song stylist wrote a hate letter (motivated out of sheer envy) to the "Tripjacks" because of their song about the old lady who swallowed the fly?

These and other questions of import make up the formidable agenda that faces every thinking person over 21. Join hands with the 3 or 4 others that now regularly patronize the Honey Bee at 700 Massachusetts Avenue, Cambridge, centrally located between Harvard and M.I.T. The Honey Bee is strategically lodged in a quaint but sturdy brick building (excellent protection in these perilous times) and is easy to find. Be sure to come.

## movie schedule

Tues., Nov. 20, through Tues., Nov. 27  
(Unless otherwise stated, the Sunday  
schedule is the same as the weekday  
schedule except no movies are shown  
before 1 p.m.)

**ASTOR**— "The Longest Day," 8:15;  
Wed., Sat., Sun., 2:00; Sun. 7:30.

**BEACON HILL**— "Phaedra," 9:30,  
11:30, 1:30, 3:30, 5:30, 7:30, 9:30.

**BOSTON CINEGRAMA**— "Wonderful  
World of the Brothers Grimm," even-  
ings 8:30, except Sun. 8:15; mat-  
inees Wed. 2:30, Thurs. 1:30 and 5:  
Fri. 2:30, Sat. and Sun. 1:30 and  
5:00.

**BRATTLE**— "Lavender Hill Mob,"  
Tues., Wed., Fri., 6:30, 7:30, 9:30;  
Thurs., Sat., 3:30, 5:30, 7:30, 9:30.

**CAPRI**— "Gigot," 9:30, 11:30, 1:30,  
3:30, 5:30, 7:30, 9:30 (today only).  
Starting Wednesday, "The Legend of  
Lobo."

**COMMUNITY PLAYHOUSE**— "Guns  
of Darkness," "The Promoter,"  
7:45; Nov. 21-24, "Five Weeks in a  
Balloon," 2:00, "The Counterfeit  
Traitor," eves. 7:45.

**EXETER**— "The Island," 2:15, 4:00,  
5:50, 7:40, 9:30.

**GARY**— "Barabbas," evenings, 8:30;  
mat. Wed. 2:30; Sat., Sun., 2:30,  
5:30.

**HARVARD SQUARE**— Wed. only,  
"Shane," 1:30, 5:30, 9:30, "Rebel

Without a Cause," 5:35, 7:35. Start-  
ing Thurs., "Carry on Teacher,"  
3:00, 6:30, 9:55, and "Lonely Are  
the Brave," 1:20, 4:00, 8:05.

**KEITH MEMORIAL**— Starting Wednes-  
day, "If A Man Answers," 11:10,  
2:30, 6:00, 9:25, Sun., 2:40, 6:00,  
9:30; "Stagecoach to Dancer's  
Rock," 9:30, 1:00, 4:20, 7:50; Sun.,  
1:05, 4:30, 7:55; "Friendly Neigh-  
bors," 10:45, 2:10, 5:35, 9:00; Sun.,  
2:15, 5:40, 9:05.

**LOEW'S ORPHEUM**— Starting Wednes-  
day, "Period of Adjustment," 9:40,  
12:40, 3:40, 6:40, 9:40; Sun.,  
5:45, 9:00; "Woman Hunt," 11:34,  
2:30, 5:30, 8:30; Sun., 1:28, 4:40,  
7:55.

**MAYFLOWER**— "The Chapman Re-  
port," 9:30, 11:45, 2:05, 4:30, 6:50,  
9:15; Sun., 1:15, 3:45, 6:15, 8:45.

**MUSIO HALL**— "Manchurian Candi-  
date," 10:15, 12:34, 2:53, 5:12, 7:31,  
9:50; Sun., 1:00, 3:13, 5:26, 7:39,  
9:52; today, then Nov. 26 on.

**MIT**— "High Noon," Fri., Room 10-  
250, 6:30, 9:00.

**PARK SQUARE CINEMA**— "Divorce  
Italian Style," 1:30, 5:30, 7:30, 9:30.

**PILGRIM**— "Savage Guns," 11:00,  
1:55, 5:00, 8:05; Nov. 22-25, "Es-  
cape from East Berlin," 1:00, 4:30,  
8:00; Sun., 1:00, 4:35, 8:05; Stage  
Show, 2:40, 6:10, 9:40; Sun., 2:45,  
6:15, 9:45.

## movies...

# 'Escape From East Berlin' At Pilgrim

By Gilberto Perez-Guillermo

"Escape from East Berlin" is no ordinary escape film, even if it is nothing more than an escape film. Directed tastefully and professionally by Robert Siodmak ("The Spiral Staircase," Portrait of a Sinner"), it deals with the attempt of twenty-eight people from East Berlin to escape to the West. Admittedly, the film is not brilliant, but almost everything in it is well-adjusted; no effect is overdone; no cliché is overused.

The first half-hour is perhaps the best in the film. The sequence of the girl thoughtlessly trying to escape across the Berlin Wall, being pulled back from a sure death by a friend, then chased by the Communist Vopos, is always breathtaking. Siodmak's subtle and talented combination of montage and a slow camera movement is emotionally effective, creating a constant tension. Then the film decays somewhat: the second half-hour is never too interesting. Not until the climax does the film come anywhere near its early heights: the scene of the escape through the tunnel is indeed well done; a fast montage builds up the tension; a slow-moving shot across the tunnel to West Berlin creates a sense of hard-won freedom.

There are some weaknesses. The script is deficient in more than one aspect: the all-too-frequent lines of anti-Communist propa-  
da are inserted rather clumsily; the dialogue seems unreal some-  
times. There is no character in-  
sight and no "message" — this  
would be perfectly all right if no  
attempts had been made in these  
directions. Don Murray, in the  
leading role, gives mediocre per-  
formance. The rest of the acting  
is not much better, with the pos-  
sible exception of lovely Christine  
Kaufmann, whose presence is al-  
ways pleasant. Siodmak makes  
her the object of beautiful close-  
ups.

**ESCAPE FROM EAST BERLIN.**  
Directed by Robert Siodmak; pro-  
duced by Walter Wood; screenplay  
by Gabrielle Upton, Peter Bernels  
and Millard Lampell; story by Miss  
Upton and Mr. Bernels; photogra-  
phy by Georg Krause; music by  
H. M. Majewski; starring Don Mur-  
ray, Christine Kaufmann. At the  
Pilgrim Theater, Boston.

Siodmak, in dealing with a sec-  
ond-class story and a limited bud-  
get, has constructed a reasonably  
good film. The main characteris-  
tics of his work are its discretion  
and good taste. A love affair is  
adequately hinted at without re-  
sorting to sexy scenes or passion-  
ate kisses. When Mr. Murray  
takes his lover's foot, and they  
exchange looks, the same can be  
said of the protagonists' love:  
they look at each other, she touch-  
es his cheek; nothing else is need-  
ed. Miss Kaufmann's beauty, rath-  
er than her sex appeal, is em-  
phasized throughout the film. In  
the final scene, when the hero is

wounded by Communist bullets,  
the heroine turns back for him;  
we then see a shot of the tunnel,  
ending in West Berlin, where the  
rest are arriving safely; after a  
few tense seconds, they also come  
out, safe and free; no scenes of  
the wounded man crawling are  
needed, and a greater tension is  
achieved without them. These are  
a few examples of Siodmak's  
style. In this film, he has planned  
everything as far as the script  
would allow; this planning was  
done with talent and taste; as a  
result, Siodmak has saved the film  
from mediocrity.

## NATO Proposes International U.

(Continued from Page 1)

Senior staff salaries were recom-  
mended to begin a \$10,000 per  
year, with an average in the  
neighborhood of \$12,000. Pre-doc-  
toral students would be paid an  
average of \$2,000 per year.

In discussing the time-table for  
establishment of the Institute, the  
report urges that the Center for  
Advanced Study be established  
first and on a scale large enough  
for the school to attain "that  
critical size which would provide a  
sufficient combination of re-  
sources, disciplines and personnel  
to give it richness of substance,  
significant variety and breadth,  
and a quality of unmistakable  
adequacy and completeness."

The committee, appointed in  
1960 by Paul-Henri Spaak, then  
NATO Secretary General, con-  
sisted of Prof. P. Caldirola, of  
Italy, Prof. H. B. Casimir, of the  
Netherlands, Sir John Cockcroft,  
of England, Dr. P. G. A. Piganiol  
of France, Prof. A. Rucker, of  
Germany, and Prof. W. A.  
Nierenberg, as well as Dr. Killian.

## Conservatory Chorus Schedules Concert

The New England Conservatory  
Chorus and accompanying groups,  
the Chamber Singers and Tour  
Chorus, will give eight concerts  
this year.

Three concerts will be accom-  
panied by the Conservatory Or-  
chestra and given in Jordan Hall.  
The traditional Christmas concert  
will be on December 13. Decem-  
ber 5, the Chamber Singers will  
present works by Juan Blas De  
Castro.

Two concerts are scheduled at  
the Gardner Museum on Decem-  
ber 12 and May 5.

The full chorus will perform the  
world-premiere of Leonard Bern-  
stein's "Caddish" and another per-  
formance of Debussy's "Martyr-  
dom of Saint Sebastian," next  
March.

## Theatre Schedule

**ACTOR'S PLAYHOUSE** — "Gallows  
Humor," Tues.-Thurs. 8:40, Fri.-  
Sat. 7:30, 9:30, Sun. 8:40.

**CHARLES PLAYHOUSE** — "Three  
Penny Opera," Tues.-Fri. 8:30;  
Sat. 5:30, 9:00, Sun. 3:00, 7:30;  
starting Nov. 28, "Hedda Gabler,"  
same times as above.

**DONNELLY MEMORIAL** — Harry Bel-  
afonte, Nov. 30-Dec. 9.

**IMAGE THEATRE** — "Intimate Rela-  
tions," 8:30.

**HOTEL SOMERSET** — Compass Im-  
provisational Theatre, Tues.-Wed.,  
9:00; Thurs., 9:00, 11:00; Fri.-Sat.,  
9:00, 11:30; Sun., 8:00, 10:30.

**MUSIC HALL** — Bolshoi Ballet, Nov.  
20-26, Tues. and Wed. 8:00; Sun.  
8:30; mat. Sat. 2:30.

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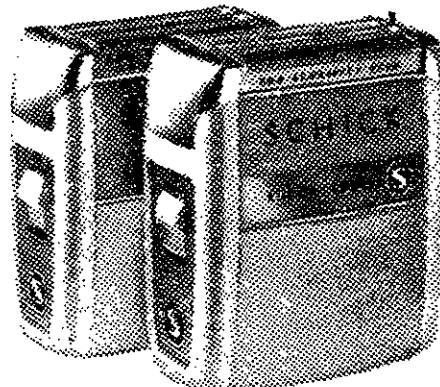
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Admission 50 cents

**Boston Symphony**  
Tuesday, 8:30 p.m.—Erich Leinsdorf, cond.: Schubert, Symphony No. 8 "Unfinished"; Milhaud, Viola Concerto; Joseph de Pasquale, soloist; Shostakovich, Symphony No. 10.  
Friday, 2:15 p.m.; Saturday, 8:30 p.m.—Erich Leinsdorf conducting: Schoenberg, Verklarte Nacht; Elter, Concerto for Wind Quintet and Orchestra; Doriot Anthony Dwyer, flute.  
Ralph Gamburg, oboe; Gino Cioffi, clarinet; Sherman Walt, bassoon; James Stagliano, French horn; Beethoven, Symphony No. 5.

**theatre . . .**  
**Image Opens With 'Intimate Relations'**  
By Paul A. Zakresewski  
The Image Theatre has begun its new season with Jean Cocteau's "Intimate Relations." They performed one-act plays last season with much success in the Copley Hotel and The Place.  
The play deals with the problems of a family of four. They range from an incestuous relationship between the mother and son to the young man of the family stealing his father's mistress from him. Cocteau manages to give new insight into this theme which has interested many a playwright. His best device is his ability to laugh or sneer at the characters when they are at their most vulnerable.  
Mr. Austin has staged the production beautifully within a small working area. The production has an organic quality, in that every moment has meaning and adds up to the total. The production starts off at a high intensity and the audience is immediately propelled into a whirlpool of high, emotional pitch. It builds up from there.  
After the first act one wonders where it can go, but Mr. Cocteau begins his second act with a light love scene between the young people — Madeleine and Michael — and again builds to where the Caravan, as the family call themselves, meet the young man's fiancée. Madeleine realizes that her past lover, George, is the father of Michael. Mr. Austin chose to slide over some of the irony of the play — for example — in the meeting of the two but, for good reasons. In this way he can keep

**INTIMATE RELATIONS**, by Jean Cocteau; staged by John Paul Austin. For two more weeks at the Image Theatre, 54 Charles St.  
**THE CAST**  
George . . . . . Peter D. MacLean  
Leonie . . . . . Anita Sangiolo  
Yvonne . . . . . Nina Jeffers  
Michael . . . . . Louis Lopez-Cepero  
Madeleine . . . . . Susan Dorien

the play moving toward its inevitable conclusion.  
The difficult role of the mother, Yvonne, is played by Nina Jeffers. It is amazing that she sustains the emotional level throughout. She is gifted with a deep, rich voice and drops it in the right moments to add another dimension to the character. Miss Jeffers is given to over physicalizing the role in certain places. This tends to draw focus to herself rather than to the character.  
The most perfect piece of acting is given by Anita Sangiolo as the combination aunt and Greek chorus. Miss Sangiolo is a woman of stature and great depth. Her performance is perfectly controlled and restrained. One gets the impression of a muted oboe. Her performance had a completeness and fullness one rarely sees.  
As the father, Peter D. MacLean draws very truthful characterization, but his movements were stiff. He didn't seem quite relaxed in the role. This may be due to the fact that he is a young man playing the role of a 50-year-old man.  
Louis Lopez-Cepero, as Michael, started off a bit too coyly, but as the evening progressed, he settled down and did an excellent job. Susan Dorien, as Madeleine, is lovely and gave a beautifully sustained performance. She can shift from mood to mood with ease and clarity. The production will play two more weeks. Very few Broadway-bound shows have achieved this degree of polish.

## Space Developments Displayed At Kresge

By Joseph Sullivan  
Samples and pictorial displays of new developments in space technology were displayed last week in Kresge Auditorium as part of the New England Conference on Science, Technology, and Space.  
Included in the displays were several laboratory models of equipment which will be used to radar map the cloud-covered surface of Venus. Radar pulses will be directed at the planet from an unmanned spacecraft and the reflected signals will be timed and their strength measured.  
Ionized gases, or plasma emitted by the sun, was the theme of another display. One of the most recent artificial satellites, Explorer X, is measuring the flux of plasma photons around the earth. These charged particles are believed to be the cause of the auroras, radio interference, and the Van Allen radiation belts.  
A scale model of Explorer XI showed the equipment used to measure the density of gamma rays and devices for determining where in the galaxy high energy gamma rays originate.  
MIT's Research Laboratory for Electronics displayed models of microwave radiometers used in the Mariner satellite to monitor the 1.35 and 1.9 centimeter bands. Precise measurements of microwave radiations emanating from planets will provide clues to the make-up of alien atmospheres.

## ZBT Brothers Help Young Korean Boy

Zeta Beta Tau has financially "adopted" Jo Ki Whan, a 7-year-old Korean boy, through Foster Parents' Plan, Inc. of New York City. The brothers have promised to contribute \$15 a month toward the child's support for at least one year.  
Foster Parents' Plan, an independent relief organization which provides destitute children with care and education has rehabilitated more than 76,000 children since 1937. It is now helping more than 22,000 youngsters in Greece, Italy, Korea, France, Viet Nam, Hong Kong, and the Philippines.

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Although the Gym-Dandy is a joy to behold even while tightening the laces of her sneakers, she must be seen in action to be fully appreciated. The same thing is true of a Pall Mall. It's a long, firm cigarette in a handsome package, but it must be *tasted* to be fully appreciated. Try Pall Mall and see.

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# Frosh Advisors Aid Adjusting Freshmen

By John Montanus

The Freshman Advisory Council has been in operation since 1952, and is currently charged with the registration and counseling of all undergraduates until they have chosen a departmental course. The council is under the chairmanship of Professor Nathan B. Cook, assisted by an Executive Committee of ten members work-

ing with Robert J. Holden, Associate Dean of Students, who is Executive Secretary of the council.

The formal activities of the council begin with participation in Freshman Week End, approval of registration material, and counseling the student on matters of curricula, and course orientation, until he has joined a department.

The adviser also makes recommendations with respect to warnings of dismissals at the end of each term, and at the end of the Fall term writes a note to each freshman advisee's high school, giving an evaluation of the student's progress. In the Freshman Advisory Council Office, Room 7-133, a set of records is kept for each entering freshman; information is added to these cards throughout freshman year.

The purpose of the council is not to provide a substitute parent or professional counselor, but to give the aid of an older colleague who understands the student's situation and can discuss it intelligently. The advisor's responsibility is to give whatever assistance and guidance are necessary for the student to reap the maximum benefit from MIT. Toward this end, most students are assigned to advisers on the basis of common interests. However, all of the nearly eighty advisers can answer any questions on academic sub-

jects, sports, activities, religious organizations, or any other phase of life at the Institute.

A close personal relationship between adviser and student can help materially in adjusting the student to the way of thinking at a technological institution. Each student owes it to himself to keep in touch with his adviser and to report any problems to him. The Freshman Advisory Council represents the concern the Institute has for the individual; as the mid-term approaches, the Council strongly recommends the renewal of the student-adviser relationship which is the individual's link to the Institute.

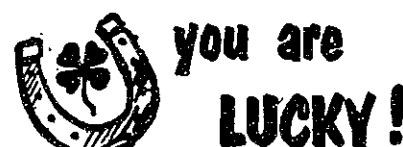
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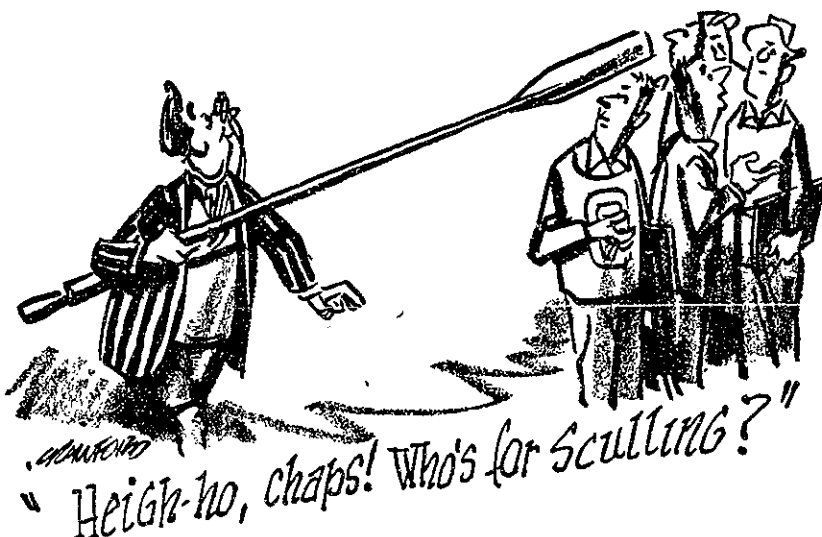
## GLOOM AT THE TOP

Oh, sure, you've been busy, what with going to classes, doing your homework, catching night crawlers, getting married—but can't you pause for just a moment and give thought to that dear, dedicated, lonely man in the big white house on the hill? I refer, of course, to the Prexy.

(It is interesting to note here that college presidents are always called "Prexy." Similarly, trustees are called "Trixie." Associate professors are called "Axy-Pixy." Bursars are called "Foxy-Woxy." Students are called "Algae.")

But I digress. We were speaking of the Prexy, a personage at once august and pathetic. Why pathetic? Well sir, consider how Prexy spends his days. He is busy, busy, busy. He talks to deans, he talks to professors, he talks to trustees, he talks to alumni. In fact, he talks to everybody except the one group who could lift his heart and rally his spirits. I mean, of course, the appealing, endearing, winsome group in the entire college—you, the students.

It is the Prexy's sad fate to be forever a stranger to your laughing, golden selves. He can only gaze wistfully out the window of his big white house on the hill and watch you at your games and sports and yearn with all his tormented heart to bask in your warmth. But how? It would hardly be fitting for Prexy to appear one day at the Union, clad in an old rowing blazer, and cry gaily, "Heigh-ho, chaps! Who's for sculling?"



No, friends, Prexy can't get to you. It is up to you to get to him. Call on him at home. Just drop in unannounced. He will naturally be a little shy at first, so you must put him at his ease. Shout, "Howdy-doo, sir! I have come to bring a little sunshine into your drear and blighted life!" Then yank his necktie out of his vest and scamper goatlike around him until he is laughing merrily along with you.

Then hand him a package and say, "A little gift for you, sir." "For me?" he will say, lowering his lids. "You shouldn't have."

"Yes, I should," you will say, "because this package is a carton of Marlboro Cigarettes, and whenever I think of Marlboro, I think of you."

"Why, hey?" he will say curiously.

"Because Marlboros have taste, and so do you," you will reply.

"Aw, go on," he will say, blushing furiously.

"It's true," you will say. "Moreover, Marlboro has a filter, and so do you."

"In my swimming pool, you mean," he will say.

"Yes," you will say. "Moreover, Marlboro has a soft pack, and so do you."

"My limp leather brief case, you mean," he will say.

"Yes," you will say. "Moreover, the Marlboro box has a flip-top, and so do you."

"But I don't have a flip-top," he will say.

"But you will," you will say. "Just light a Marlboro, and taste that tasty taste, and you will surely flip your top."

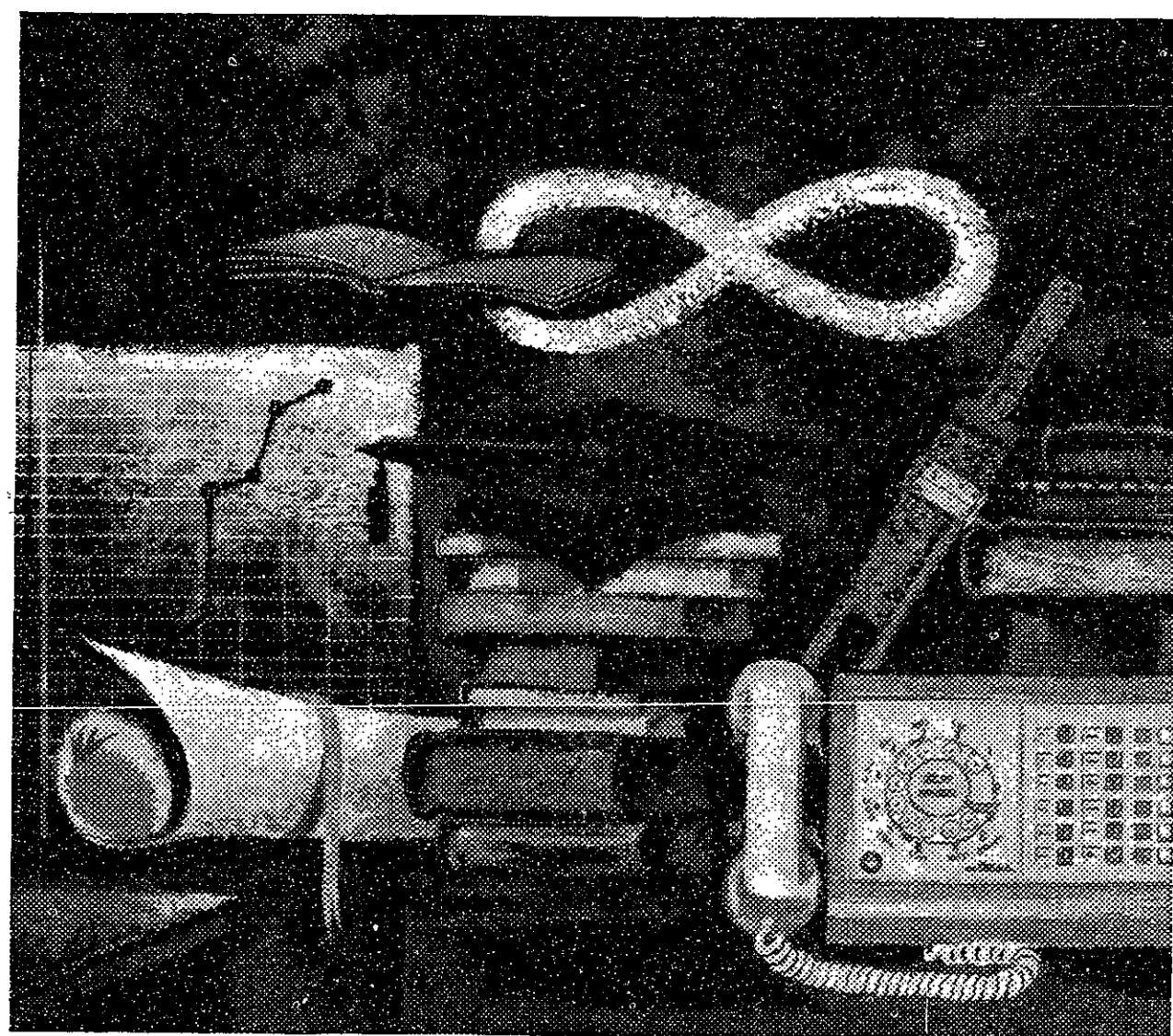
Well sir, you will have many a good chuckle about that, you may be sure. Then you will say, "Goodbye, sir, I will return soon again to brighten your lorn and desperate life."

"Please do," he will say. "But next time, if you can possibly manage it, try not to come at four in the morning."

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\* \* \*

Prexy and undergrad, male and female, late and soon, fair weather and foul—all times and climes and conditions are right for Marlboro, the filter cigarette with the unfiltered taste.



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## MIT Science Reporter:

## 'Tempest In A Tank' Study Of Mud Oceanography

Channel 2's "MIT Science Reporter" explored the Hydrodynamics Laboratory in Building 48 last week to film the program "Tempest in a Tank." Prof. Arthur T. Ippen and Prof. Peter E. Eagleson, civil engineering, illustrated many of the department's projects in the field of coastal engineering, or what is often called "mud oceanography."

In this study one considers the characteristic wave motions of ocean water in harbors or near the shore. It has been found that a particle suspended in deep water which has wave motion will experience a circular orbit. Waves in shallow water, however, produce elliptical orbits, as the proximity of the ocean floor retards the bottom portion of the wave, distorting its form. Thus the wave motion of water has no effect below a certain depth, which is one-half the wave length.

Another property of coastal waves is its capacity for transporting sedimentation from one part of a beach to another. When waves approach the shore diagonally, they drag sand and debris in a direction parallel to the beach.

When breakwaters, or jetties, are used to protect harbors and other inlets, ocean waves pile up debris on one side of them. This sedimentation has to be dredged frequently to maintain navigation. Moreover, the initial cost of installing breakwaters is tremendous.

To solve this problem, the coastal engineers are developing a device which dampens ocean waves, yet does not require the cumbersome foundations of a conventional breakwater and eliminates the need for periodical dredging.

It consists of several parallel pipes suspended on the surface of the water and pointed perpendicular to the incoming wave fronts. As a wave strikes the front portion of the pipes, as a sound wave is transmitted to the other end at a speed considerably greater than that of the water wave. This causes a jet of water to flow through the tubes, and the energy of the incoming wave is reduced to 15%-20% of its original value.

Strangely enough, a problem of many harbors today is that of resonance. If a harbor is "tuned" to the frequency of incoming ocean waves by virtue of its geometrical properties, it will contain large standing waves of resonance. This leads to many difficulties when ships are being loaded and unloaded while in dock.

Various harbor shapes are tested in the laboratory tanks by propagating water waves toward an opening in a cylindrical can. Since it is nearly impossible to theoretically predict the resonance of a harbor, the scale-model method is the only practical means of solving this problem. If the resonance is determined, an adequate breakwater system can then be installed to reduce its effect.

## Tau Beta Phi Picks Sixty-five Seniors

Mass Beta Chapter of Tau Beta Phi selected sixty-five pledges at its election meeting November 3. The seniors were selected from the upper fifth of their class in the School of Engineering, Architecture, and Industrial Management.

Two Honorary Juniors and a Graduate Student were also selected.

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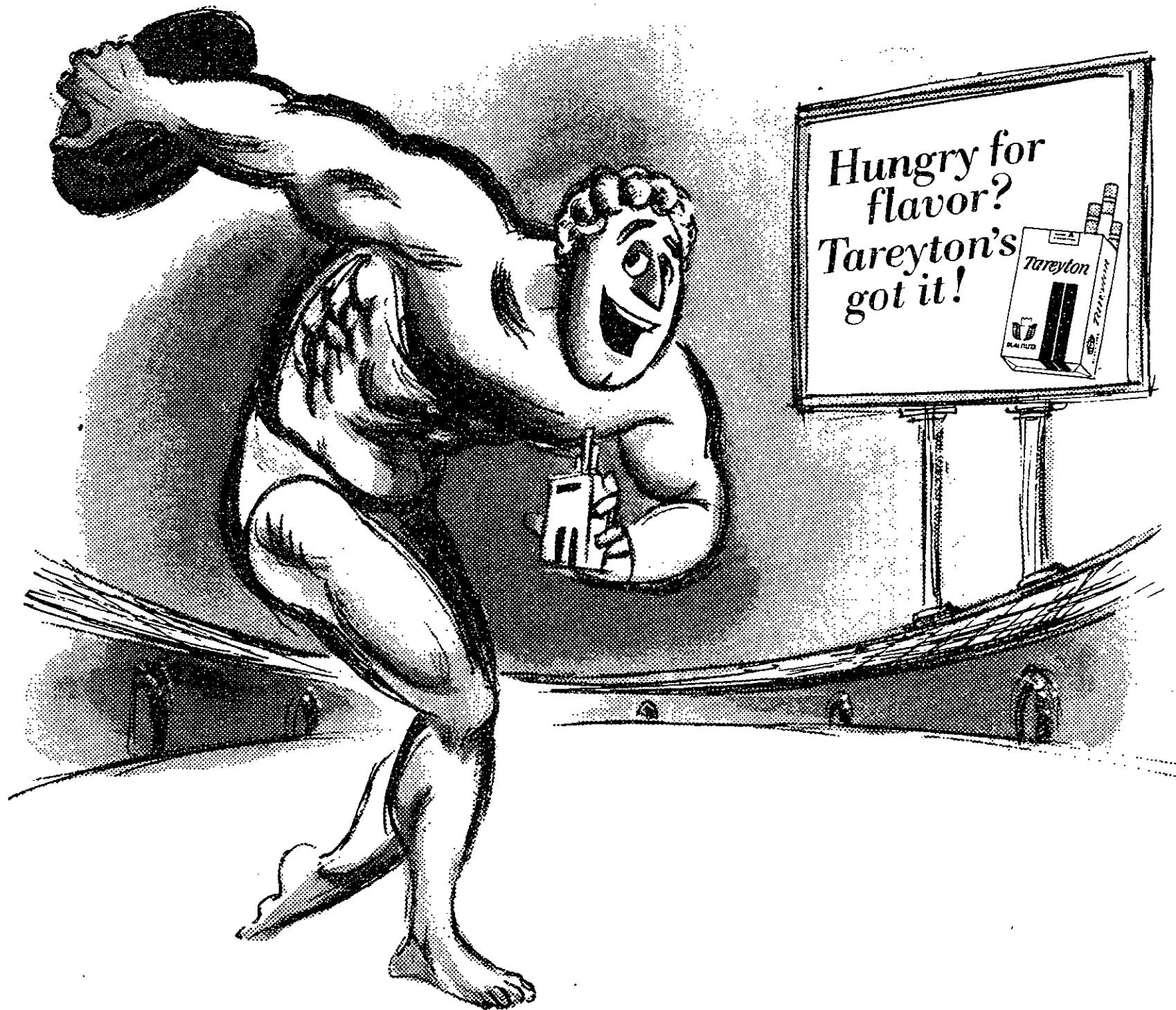


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Dual Filter makes the difference

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College  
World

'Fallout Shelters For New York?'  
'Ridiculous,' Says Summer Surveyer

By Toby Zidle '63

The recent Cuban crisis has brought about a rash of activity on the nation's campuses. MIT had its "Cuba No!" riot and other schools have had various demonstrations either for or against the United States' position on the issue. Egg-throwing became the rule of the day at a University of Minnesota demonstration.

At other schools, reaction took a different turn. The Polytechnic Institute of Brooklyn's Polytechnic Reporter devoted a full page to Civilian Defense measures—more specifically, a New York area survey on fallout shelters.

"Shelters Are Ridiculous"

After spending the summer working on this federally-sponsored survey, Sheldon Gordon, in his article, concludes "Fallout shelters are ridiculous."

This conclusion was drawn from several sources the assumptions made by experts, the approximations used in calculating the effectiveness of potential shelter areas, and actual surveying experience. Gordon's job involved structural inspection of potential shelters and proposing modifications which would lower the percentage of penetrating radiation to one percent. Gordon relates parenthetically that the Army engineers who gave instructions to the men who oversaw the project claimed they would only have their families in a shelter with a shielding rating of less than 0.1 per cent.

As one of the reasons for his conclusions, Gordon cites the nature of fallout: "Fallout is akin to snow when it falls! It will land on any moderately level surface and adhere, and will remain there until it is either washed away or loses its radioactivity. Apparently, someone conveniently happened either to forget or ignore the fact that snow has a tendency to drift and will usually end up in mounds against walls. Invariably, fallout shelters will be located behind these self-same walls. The result: a far greater concentration of radiation than was considered in the project computations."

**Fallout Fallacy**

He points to another fallacy concerning fallout. Much of the fallout will be of dust-particle size or smaller and consequently will pass through the filters of even the best ventilation systems. The only way to eliminate this problem, Gordon says, is to hermetically seal the shelter, but this will lead to the imminent danger of asphyxiation.

Other considerations include minimum space allotments factors and also per capita costs. Gordon contends the space allowed per person is too restrictive and that the actual costs involved are much greater than Congress is allowing. He points out also that shelters have to be well stocked with food and water to be of any practical value, but if shelters in New York (and other metropolitan areas) are not to be immediately looted of their provisions they must be kept locked. But what good is the "perfect" shelter if it is locked at the time of attack?

Under attack, also, are methods of testing "survival" in the shelters. The army uses volunteers who are extremely well physically—and psychologically-fit for these tests. Many of these volunteers have to be carried out of the shelter before the end of the two-week test. How long then, asks Gordon, will random people with their various physical and mental problems be able to survive in these shelters?

**Official Contradiction**

About the survey in general, Gordon says, "I have read fully documented accounts from government experts which were in complete contradiction to our official results."

He concludes, "As a result of these considerations, I think that fallout shelters are totally impractical, if not impossible, in any area such as New York."

In the same issue of the Polytechnic Reporter appeared the following account of an episode which happened last April, entitled:

**To Fallout Shelter?**

On their junket to "Mock" Senate in the State Capital Building last April, Poly's delegates wandered upon a sign: "To Fallout Shelter." Pursuing their curiosity, they descended into the basement and followed arrows to a remote corner of the building. There they found a good-size room with map-lined walls, assorted communications equipment, and a solitary man who was obviously in charge. A plaque proclaimed this to be the Control Center.

He greeted them heartily — It was rare for him to have human company at this time in the evening (boy scout troops, etc., visit during the day.)

"What's going on here?," they queried.

(Please turn to Page 13)

a message to graduating engineers and scientists

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The glamour and excitement of space age programs often obscure a fundamental fact. It is simply that farsightedness must be coupled with sound, practical, down-to-earth engineering if goals are to be attained. This is the philosophy upon which Pratt & Whitney Aircraft's position as a world leader in flight propulsion systems has been built.

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(Please turn to Page 13)



# SQUASH TIME AGAIN

10 Rackets  
3 Manufacturers

Prices — \$5.95 to \$17.95

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## COMPASS Organized To Offer Grad Students Further Space Science Study

By James Veilleux

A new interdepartmental group known as COMPASS (Committee on Planetary and Space Science) has been formed at MIT. Evolving from recent lunch-time discussions concerning the outstanding developments in planetary and space science during the past twenty years, the Committee is designed to coordinate the widely distributed facilities of MIT for the use of students interested in this field.

The COMPASS curriculum, chiefly for graduate students, offers a broad selection from the departments of Geology and Geophysics, Mathematics, Meteorology, Physics, Aeronautics and Astronautics, and Electrical Engineering. These courses include the study of cosmology, formation and evolution of the stars, solar activity, planetary spectra, dynamics of planetary atmosphere, internal constitution, magnetic and gravitational fields of the earth, dynamics of the lower atmosphere and the ocean, and a wide variety of similarly related topics.

As the first permanent establishment of a curriculum for planetary and space science, COMPASS

combines the activities of two centers of research — the Earth Sciences and Astronautics. Chairman of the group is Professor Raymond Hide, Geophysics and Physics.

The graduate student interested in this field may follow almost any course which suits his qualifications. A thesis committee is appointed for each student, which may consist of members from one department, or from several, if necessary. Research facilities of both MIT and Lincoln Laboratory are available for post-graduate and post-doctorate work in planetary and space science. Students whose main program is not concerned with this curriculum may still use its subjects to their advantage.

This year COMPASS offers a seminar on such topics as interplanetary plasma, cosmic rays, and solar protons. These subjects are discussed by outside speakers, many of whom are leaders in their field. Last Friday, for example, Prof. James Van Allen presented a lecture on radiation belts in Room 26-100.

In his annual report, President Stratton directs considerable at-

tention to the newly-formed Committee. In his opinion, the efforts of COMPASS "demonstrates precisely how the evolving interests of the faculty continuously reshape the teaching program, the readiness to experiment and innovate, and a freedom from departmental restraints."

## 'Thieves' Carnival' to be At Fine Arts Theater

"Thieves' Carnival," by Jean Anouilh, will be presented November 28 through December 1, at the Fine Arts Theater.

This comedy will be produced by the Country Players, a new theater group which has been active in Newton for the last seven years.

## College World

### Alert Control Center Shows How It's Done

(Continued from Page 12)

"This is the control center for Civil Defense activities in New York State," he told them. "Attack warnings come here over that speaker (pointing) direct from the Federal system. We flash word across the state."

"How is that done?" was the next question.

"We have this exclusive telephone exchange — I can reach any point in New York just by stepping down on this pedal, pressing in on this button, and shouting into the receiver, 'Calling \_\_\_\_\_.' Want to see it work? Name a spot."

New York City was the unanimous choice.

"Calling New York City, calling New York City," once, twice, three, times he tried. No reply. "Might be another loose connection," he said apologetically. "Or maybe the guy in New York went to the bathroom. They change shifts about now."

"But in event of attack," the Polymen asked a little less certainly, "you'd alert the whole state immediately, wouldn't you?"

"No, my first duty is to contact about a dozen people, to see they get down here to direct operations. Then, I send the alarm. Meanwhile, there'll be data coming in over that speaker about the enemy's progress. I record that—this tape recorder catches what I miss—and plot it on these maps." "Can you handle all this alone?" the now worried visitors asked.

"Well, there's a larger staff here Monday through Friday, 9:00 a.m. to 5:00 p.m. Except at lunchtime, of course."

"Oh . . . Uh, the sign said there was a fallout shelter down here. Can we see it?" the Polymen inquired, changing the subject.

"It's right outside," he said, directing them to a huge, uncluttered basement corridor. "All the Congressmen and workers in the building come here in event of attack. This shelter can accommodate up to 1100 people. We seal these doors and ride out the storm."

"What sort of provisions do you have for them?"

"There are blankets, water and canned rations in compartments in these walls. Enough to last two weeks."

"Oh, by the way" a visitor remarked, "we passed an open manhole leading to the street before. Shouldn't this basement be sealed?"

"Well, it's hard to get fresh air down here. Now that it's getting warmer, we keep the cover off all the time."

# Get Lucky Play "Crazy Questions"

(Based on the hilarious book "The Question Man.")

50 CASH AWARDS A MONTH. ENTER NOW. HERE'S HOW:

First, think of an answer. Any answer. Then come up with a nutty, surprising question for it, and you've done a "Crazy Question." It's the easy new way for students to make loot. Study the examples below, then do your own. Send them, with your name, address, college and class, to GET LUCKY, Box 64F, Mt. Vernon 10, N. Y. Winning entries will be awarded \$25.00. Winning entries submitted on the inside of a Lucky Strike wrapper will get a \$25.00 bonus. Enter as often as you like. Start right now!

**RULES:** The Reuben H. Donnelley Corp. will judge entries on the basis of humor (up to 1/3), clarity and freshness (up to 1/3) and appropriateness (up to 1/3), and their decisions will be final. Duplicate prizes will be awarded in the event of ties. Entries must be the original works of the entrants and must be submitted in the entrant's own name. There will be 50 awards every month, October through April. Entries received during each month will be considered for that month's awards. Any entry received after April 30, 1963, will not be eligible, and all become the property of The American Tobacco Company. Any college student may enter the contest, except employees of The American Tobacco Company, its advertising agencies and Reuben H. Donnelley, and relatives of the said employees. Winners will be notified by mail. Contest subject to all federal, state, and local regulations.

THE ANSWER:

CHINESE CHECKERS

THE QUESTION: What type of clerks would you expect to find in a Hong Kong supermarket?

THE ANSWER:

38-22-32

THE QUESTION: Can you name three pistol calibers?

THE ANSWER:

Great Caesar's Ghost

THE QUESTION: Who wrote most of Julius Caesar's speeches?

THE ANSWER:

Minute Men

THE QUESTION: How would you describe male lilliputians?

THE ANSWER:

THE LAST OF THE MOHICANS

THE QUESTION: What invention enabled Early American Indians to mass-produce moccasins?

THE ANSWER:

SEVEN LEAGUE BOOTS

THE QUESTION: What would be a tremendous average for a punter?

THE ANSWER IS:

# Get Lucky

the taste to start with... the taste to stay with

THE QUESTION IS: WHAT DO YOU GET WHEN YOU REQUEST A PACK OF THE MOST POPULAR REGULAR-SIZE CIGARETTE AMONG COLLEGE STUDENTS? Right! You get Lucky; you get the fine-tobacco taste of Lucky Strike. This great taste is the best reason to start with Luckies . . . the big reason why Lucky smokers stay Lucky smokers. So get with it. Get Lucky today!



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Nothing rasher for your hair than grease. Let Vitalis with V-7 keep your hair neat all day without grease. Naturally, V-7 is the greaseless grooming discovery. Vitalis® with V-7® fights embarrassing dandruff, prevents dryness, keeps your hair neat all day without grease. Try Vitalis today. You'll like it!



Buy Vitalis at THE COOP

## Chinese Motive Questioned

# Sir Vasey Describes African Problems

by Anthony Pappas

Uganda and Tanganyika have both recently become independent. They face many similar problems in making the transition from colonialism. In addition, various circumstances in each nation pose special problems.

Last Thursday Sir Ernest Vasey discussed these countries and the possibility of their forming with Kenya an East African federation. For many years the three lands have formed a loose, regional system whereby they had benefited by common services, such as common customs unions, postal, currency, and railway systems. Zanzibar, an island near the East African coast, was not a full member of this grouping. Together with Aden, it had only a currency in common with the mainland territories.

Sir Ernest emphasized what he called the "accidents of origin." Thus, Kenya is beset by a racial problem since white immigration to the country was encouraged. On the other hand, Uganda and Tanganyika do not possess this problem to any great degree since their European minorities are numerically insignificant. This has been due to the policy of not allowing the Europeans to own any land.

### Kingdoms Exist In Uganda

A striking feature in Uganda is the existence of a monarchal form of government. This system pre-

vailed when, in 1890, an Anglo-German agreement placed Uganda under British control. Rather than disrupt the local kingdoms, Britain ruled through them. Today, Uganda is a monarchal semi-federation, divided into four kingdoms each with a ruling head and a parliament. Together with the national parliament, there are thus five legislative bodies. The situation will hinder progress and cause great difficulties in the future. Already, there are disagreements over the boundaries of the various kingdoms.

In formulating its policy towards an East African federation, Uganda is guided by the paramount factor that it is land-locked. It is dependent on the railroad through Kenya to the port of Mombassa. As a result, it is anxious to see the formation of a federation which will guarantee its access to the sea.

Like many other Afro-Asian states, Uganda has espoused "positive neutrality" and "non-alignment." It has indicated that if Britain joins the European Common Market, it will refuse any association with it, for fear of compromising its independence. At present there is no indication that Uganda will pursue a leftist foreign policy. Its premier, Milton Obote, seems cognizant of Communists designs and recently criticized Red China for invading India.



Sir Ernest Vasey talking on Tanganyika and Uganda last Thursday evening in Kresge Little Theatre.—Photo by Conrad Grundlehner.

### Nyerere Guides Tanganyika

Five years ago Tanganyika was regarded as the most backward of the three East African territories in political development. That it was the first of the three to gain independence is due to one man, Julius Nyerere.

For many years Tanganyika's future was unclear. Prior to World War I it was part of German East Africa. In 1920 Britain received a mandate for it, while Belgium received a mandate for the rest of German East Africa, Rwanda-Burundi. In the 1930's the German Foreign Minister, von Ribbentrop, hinted that Germany would like Tanganyika included in any agreement among the European powers. Such a deal was ruled out. In 1946 a declaration stated Tanganyika would develop as an African state. This was an economic disadvantage but a political advantage. Agricultural development lagged, but no economic strata were formed.

A former teacher, Julius Nyerere recognized that unity was a prerequisite for independence. He organized the Tanganyika African National Union, which has the support of over 90% of the Africans.

When Tanganyika received its independence, it became a member of the Commonwealth and declared its allegiance to the Crown. To many Africans this seemed strange and the link to the Queen was misunderstood and criticized. Tanganyika will soon write a new constitution and become a republic, breaking its allegiance to the Crown. Sir Ernest thinks that this is the wisest course.

The new Tanganyika constitution will be based on four premises: the national institutions must be understood by the people; the Executive must have the necessary power to perform his duties; Parliament will remain supreme; the rule of law must be preserved. The executive will be chosen at the same time as Parliament and he must be a member of the major party. Nyerere will be the first president of the new republic.

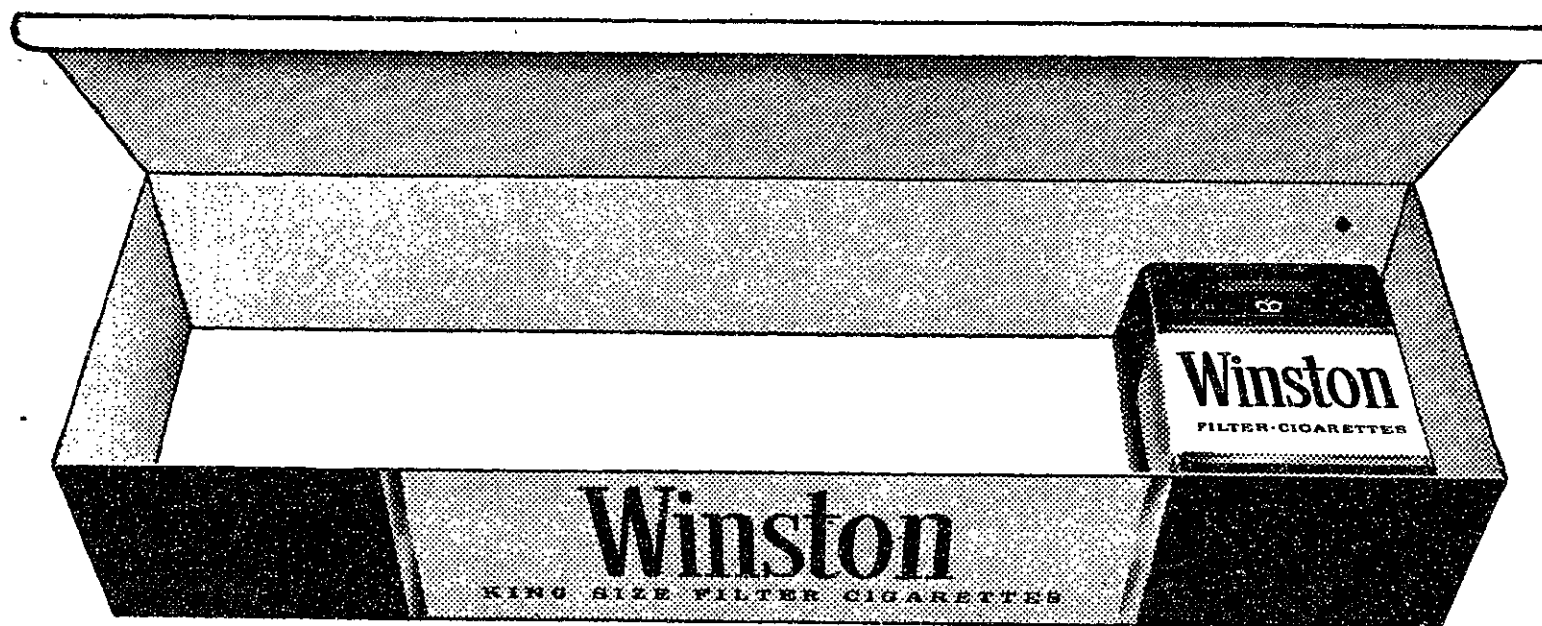
### Future Course Outlined

Sir Ernest praised the new generation of African leaders. He stressed that the problems they face are enormous. Contrary to impressions which Americans may have gained from certain countries, most of the leaders are honest, sincere, and responsible men. Their mistakes will be mistakes of judgment, not of intent.

When Kenya becomes independent, an East African federation will be feasible. In time other nations like Mozambique, the Rhodesias, Nyasaland, and Rwanda-Burundi may join in establishing a regional grouping. Sir Ernest speculated that a United States of East and Central Africa, with great economic and political power, may emerge in the decades ahead.

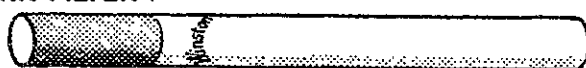
...AND THEN

THERE WAS ONE



Start with a carton and you'll end up knowing why Winston is America's number one filter cigarette...first in sales because it's first in flavor. The next time you buy cigarettes, buy pleasure by the carton...Winston!

PURE WHITE,  
MODERN FILTER



PLUS FILTER - BLEND UP FRONT

Winston tastes good  
like a cigarette should!



## Burton, Baker SPE Lead Intramural Bowling League

After one week of IM bowling, Burton A, Baker A and Sigma Phi Epsilon occupy the top three positions in a field of 44 teams. Gary Palonen '62, of Phi Sigma Kappa, and Jim Bochnowski '65 (SPE), lead all individual scorers.

Team standings in this league are compiled on the basis of cumulative Peterson points. One point is awarded for each game won, and one for each 50 pins knocked down. There are three

men on a team, and each match consists of three games. At the end of eight weeks total Peterson points will determine the final standings.

### TEAM STANDINGS

Team	Peterson Pts.
1 Burton A	34.38
2 Baker A	34.06
3 Sigma Phi Epsilon A	33.82
4 Phi Sigma Kappa	33.50
5 Senior House B	32.72
6 Senior House A	31.68
7 Sigma Alpha Epsilon A	31.82
8 Zeta Beta Tau A	31.60
9 Burton C	30.88
10 Senior House C	30.30

### INDIVIDUAL SCORERS

Name	Average
1 Palonen, PSK	198
2 Bochnowski, SPE	197
3 Lee, Bur	190
4 Schwarcz, Sr. H	182
5 Schatz, Sr. H	181
6 Souk, SAE	179
7 Johnson, Bak	178
8 Govoni, Bur	176
9 Morrison, Bak	173
10 Tsiang, SPE	172

## IM Basketball Leaders Emerge As Season Reaches 1/2-Way Mark

As the IM basketball season approaches its halfway mark, a few strong contenders have emerged in each league to battle for their respective championships.

In the American League, Graduate House A and Paradise Cafe tie for the lead with identical 3-0 records. Paradise Cafe took a tight 35-33 victory over Sigma Alpha Epsilon to move into this position. Senior House A downed Sigma Chi, 59-31, to tie SAE for second place.

The most important action in the National League was the trouncing of Burton A by Baker A, 70-45. Grad House B edged Alpha Epsilon Pi, 36-33, tying Baker for the league leadership. In another close contest, Theta Chi defeated Phi Gamma Delta, 41-37, to knock the Fijis out of contention for the lead.

In the American Association, Delta Upsilon overcame Burton B, 27-25, to move into a first place tie with Delta Tau Delta. These two teams meet Dec. 18 in a game that could decide the league championship.

In an exciting contest in the

International League, Pi Lambda Phi edged Baker B, 54-53 to tie for second place. Baker B meets league leader Phi Sigma Kappa tonight in a clash for first place.

Senior House B and Grad House Dining Staff are leaders in the Eastern and Southern leagues, respectively. Not enough games have been played in the Western League to indicate a league power.

### WEEK'S RESULTS

<b>American League</b>	
Paradise Cafe 35, Sigma Alpha Epsilon 33	
Senior House A 59, Sigma Chi 31	
<b>National League</b>	
Grad. Man. A 2, Sigma Phi Epsilon A 0	
Grad. House B 36, Alpha Epsilon Pi 33	
Baker A 70, Burton A 45	
Theta Chi A 41, Phi Gamma Delta 37	
<b>Pacific Coast League</b>	
Phi Mu Delta 2, Nuclear Engineering 0	
<b>American Association</b>	
Delta Upsilon 27, Burton House B 25	
Delta Tau Delta 36, Lambda Chi B 18	
<b>International League</b>	
Pi Lambda Phi A 54, Baker Hse. B 53	
Sigma Alpha Mu 53, Zeta Beta Tau 23	
Phi Sigma Kappa 2, Phi Kappa Theta 0	
<b>Eastern League</b>	
Sigma Phi Epsilon B 2, Chi Phi 0	
<b>Southern League</b>	
Baker Hse. C 40, Non-Res. Students 35	
Burton Fine 5th 42, Pi Lambda Phi B 20	
Grad. Din. Staff 32, B'ton Din. Staff 25	
<b>Western League</b>	
The Chokers 54, The Avantis 40	
Hayden 2nd 31, Baker D 27	

### BASKETBALL STANDINGS

<b>American League</b>	
Graduate House A	3 0

Paradise Cafe	3 0
Senior House A	3 0
Sigma Alpha Epsilon	2 2
Lambda Chi A	1 1
Sigma Chi	1 0
Alpha Tau Omega A	0 0
Phi Delta Theta	0 0

### National League

Baker A	3 0
Graduate House B	3 0
Burton A	2 2
Graduate Management A	1 1
Theta Chi A	1 1
Phi Gamma Delta	1 0
Alpha Epsilon Pi	0 0
Sigma Phi Epsilon A	0 0

### Pacific Coast League

Political Science	2 0
Delta Kappa Epsilon	1 1
Chinese Student Club	2 2
Phi Mu Delta	2 2
Graduate Management B	1 1
Beta Theta Pi	1 1
Tau Epsilon Phi	0 0
Nuclear Engineering	0 0

### American Association

Delta Tau Delta	3 0
Delta Upsilon	3 0
Student House	1 1
Burton House B	0 0
Phi Kappa Sigma	0 0
Lambda Chi B	0 0

### International League

Phi Sigma Kappa	3 0
Baker House B	2 1
Pi Lambda Phi A	2 2
Sigma Alpha Mu	2 3
Phi Kappa Theta	0 0
Zeta Beta Tau	0 3

### Eastern League

Senior House B	3 0
Theta Delta Chi	2 0
Sigma Phi Epsilon B	1 1
Burton House C	1 1
Kappa Sigma	1 2
Alpha Tau Omega B	0 2
Chi Phi	0 3

### Southern League

Graduate Dining Staff	3 0
Baker House C	2 0
Burton Fine 5th	2 1
Theta Chi B	1 1
Non-Resident Students	1 2
Burton Dining Staff	0 2
Pi Lambda Phi B	0 3

### Western League

Hayden 2nd	2 0
The Chokers	2 0
Club 414	1 0
Bemis 4th	0 1
Baker D	0 1
Senior House C	0 1
The Avantis	0 2

## Ski Team To Rebuild; Two Veterans Return

The loss of three of his top skiers has left Jens Jorgensen, MIT's ski coach, with the problem of equalling last year's team with only a few veterans. Peter Golsten, Giorgio Emo and Roberto Peccei graduated last year after leading the team to victory in Maine.

### Aasnaes, Wessel Return

The leading members on this year's squad are Captain Bent Aasnaes '63, and Henrich Wessel '64. Aasnaes, Tech's Norwegian tennis star, won the distance competition at Sugarloaf Mountain in Maine last February. Wessel, a fellow countryman of Aasnaes' has received an invitation to the Olympic training camp in preparation for the 1964 games. In last year's competition in Maine, Wessel placed first in the Slalom races.

Altogether Coach Jorgensen has fourteen candidates out for the squad. These include four freshmen and several transfer students who have displayed fine potential.

### Season To Start Feb. 3

The "A" team starts its season February 3 in the Eastern Collegiate Ski Association contest at Williams College. The "B" team will ski in the New England Intercollegiate Ski Conference competition.

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# '63, Baker, Coxswains Win Class Day Races

By Jesse Lipcon

Christening of a new racing shell, "The Catherine M. Stratton," and victories by the Class of '63, Baker House and the Coxswains highlighted the annual Class Day festivities of the MIT crew Saturday.

The new shell, nicknamed "The Kay," was dedicated by Mrs. Stratton, who expressed the wish that the boat would never lose a race. Her wish began to be fulfilled soon afterwards, as the '63 Heavyweights rowed "The Kay" to victory over six other boats in

competition for the Richards Cup.

Seniors jumped out to an early lead of about a deck length over the '65 Heavies and kept that position throughout the body of the one-mile race. Holding off the sophs in a closing sprint, '63 gained a few seats to win by a half length.

The '64 Lightweights were third, capturing the Lightweight version of the Richards Cup. They were followed by the '65 Lights, '65 Heavy second boat, '64 Heavies and the '65 Light second boat.

'63 became the first class in recent MIT crew history to win the Richards Cup for three consecutive years. The Cup, Tech's oldest crew tradition, has been raced for over the past 40 years.

**Coxswains Edge Managers**

The Richards Cup race was followed by what might have been comic relief for some oarsmen, the competition for a trophy known as the "Charles River Basin," better known as the annual Coxswains-Managers race.

Tech's Coxswains, determined to return the Basin to their side af-

ter last year's Managers victory, went off the line at the ultra-high rate of about 26 strokes a minute. After twenty strokes, the managers had dropped back three quarters of a length, however the Coxies could not keep up their blistering pace, as several starboard "oarsmen" began to "crab out," or find their oars still under water at the end of the stroke.

Spotting this trouble in their opponents' boat, the Managers made their move and pulled up to within a few seats of the Coxies. The shells remained in this position until the last few strokes of the race, when the Coxswains coaxed their stroke back up to 26 for a finishing spurt, and went on to win by almost a half length.

**Baker Crew Wins**

For the second straight year, Baker House captured the living group race, beating out ten other crews. Chi Phi was second in this race, with Burton House a close third, followed by Theta Chi and Phi Gamma Delta.

The day's regatta had started off with the annual freshman free-for-all race, this year with a record total of eleven boats entered. The race was won by a heavy-weight boat, with a lightweight shell placing second.

The races were followed by the annual All-Crew Steak Fry and Party. The party featured presentation of awards, the premier showing of last summer's Henley movies, and a rendition of several songs by a newly-formed group known as "The Volga Boatmen."

## Tech Rugbymen Topped By Boston Rugby Club; Close Season At 1-4-1

By John Reintjes

MIT's Rugby Club terminated its 1962 fall season with a 3-0 defeat at the hands of the Boston Rugby Club last Saturday. The loss set Tech's record at 1-4-1. Their lone victory was scored against Holy Cross.

**Penalty Shot Brings Defeat**

The Engineers lost the game in the first half when an offside penalty gave Boston a free try at the goal. The Boston man made his kick good and they took a 3-0 lead. MIT fought back but they could not quite find the scoring range. On one occasion, Malcolm Johnson combined with Marty Weber to advance the ball sixty yards downfield, but the Engineers could not capitalize on their advantage. Terry Jorris made several fine runs but again Tech could not find the goal.

**Two Teams To Play In N.Y.**

The New York Rugby Club is sponsoring a Seven Aside Tournament in New York Sunday, November 25. MIT plans to send two teams of seven members each to represent the school in this competition.

## Frosh Hockey Rally

Monday, November 26 marks the first meeting of the Freshman hockey squad. This rally is scheduled for 5:00 pm in the Du Pont building. All freshmen are invited.

## Sophomores Roll To Victory; 5 Marks Fall In Swim Meet

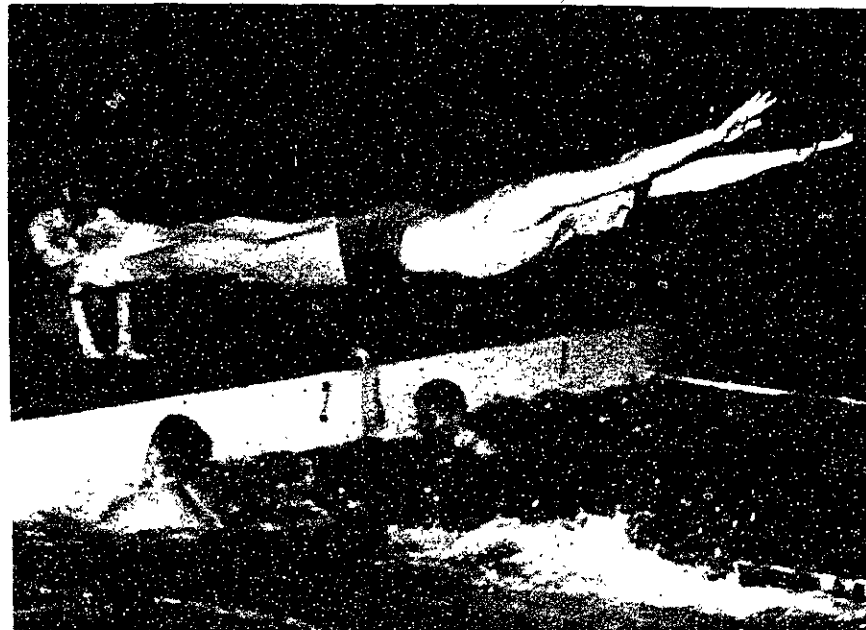
MIT's Seventh Annual Institute Swimming Championships took place last Saturday before an enthusiastic crowd at the Alumni Pool. Five meet records fell in the evening finals along with the setting of three records in new events, as the class of '65 rolled to victory setting four of these marks. The final team scores were: '65, 84 points; '64, 78 points; '66, 70 points; '63, 40 points; Grads, 32 points.

**Silvestri Stars**

The most outstanding performance of the evening was by Tony Silvestri swimming in the 100 yard Butterfly. Tony, a graduate student and former member of the MIT varsity team, pulled out ahead of Bill Brody '65 in the last lap, not only to win the event but also to break his previous record (new record 1:01.2, old record 1:01.7). This is the fifth time Tony has won the event, and the third time he has set a new meet record. Tony also placed second in the 500 yard freestyle, a new event, and helped bring the Grads' 400 yard medley relay team into third place.

**New Records Set**

The senior class also starred in the meet by breaking the 400 yard medley relay record by 5.8 seconds. The medley relay team of Tim Sloat swimming backstroke, Charlie Einolf swimming breaststroke, Ron Matlin swimming butterfly, and Joe Schrade swimming freestyle did a fine job of lowering the old record of 4:21.9 to a new mark of 4:16.1. In the 200 yard Breaststroke Charlie Einolf returned to take first place, breaking his previous meet record from last year (new record 2:35.8, old record 2:37.3). Ron Matlin placed third in the 100 yard butterfly and fourth in the 200 yard backstroke. Joe Schrade returned to place second against Wayne Matson '64 in the 50 yard freestyle, but came back to win in the 100 yard freestyle missing the record by 0.6 seconds.



Sandy Blanchard '65 starts off on his lap of the 440 yard medley relay in Saturday's All-Tech Swim Meet at Alumni Pool. Blanchard and his fellow sophomore went on to pace second in this event but first in the entire meet.

—Photo by Conrad Grundlehner

**Juniors Win Coed Relay**

The junior class showed its best in the 50 yard freestyle and the 100 yard coed relay. Wayne Matson pulled ahead early in the race to set a new meet record (new record 23.8, old record 24.3). The co-ed relay which is a new event this year was won in a time of 1:09.6 by the juniors. Another outstanding performance was turned in by Eric Jensen in winning the 200 yard individual medley.

**Sophs Set Four Records**

The sophomore class, winner of the meet, brought down four records with their victory. Dick St. Peters established two new meet records (200 yard freestyle, 2:08.6; 500 yard freestyle, 6:03.4). In the one meter competitive diving Steve Snover clinched the event with a one and one half pike somersault which got him sevens for the dive. In the 200 yard backstroke Frank Mechura moved out early to win in a time of 2:25.9. In the 400 yard freestyle relay the sophomore team of Brody, St.

Peters, Groves, and Blanchard set a new meet record, (new record 3:49.7, old record 3:53.5) with their victory.

The freshmen class despite failing to get any first places showed depth, and was a constant threat throughout the meet.

**Comic Diving Exhibition**

The meet was highlighted by a fancy diving exhibition by two varsity divers from Harvard College. During the diving exhibition a comic diving show was performed by Chit Montgomery, a former diver from Harvard, and graduate Bill Bails. Montgomery "attempted to impress" the audience with his diving skill, compared to Bails' by matching Bails' dives with dives such as the dead duck dive, the statue dive, a forward dive with four pikes, and a life saving dive. In addition the Wellesley College Swim Club demonstrated their skills in synchronized swimming and interpretive water ballet.

## T-Club Lounge Provides Meeting Place For Athletes



The latest addition to Tech's athletic facilities is the T-Club Lounge, which was opened at the beginning of the Fall term. The lounge is located in Briggs Field House and is available to all varsity lettermen.

The Brine Sporting Goods Company formerly occupied the room where the lounge is now located. When the Brine Company moved their store, the MITAA took over the chamber and spent \$1500 to remodel it.

T-Club officers relax in the newly built T-Club Lounge in Briggs Field House. (L. to r.) Terry Chatwin; Tony Weikel, T-Club President; Kent Groninger and Jerry Dassel.

By Ed Steinberg

Tech's rifle team defeated Harvard and Bowdoin Saturday in the Engineers' first match of the season. The Tech marksmen earned a total score of 1413 to 1393 for the Crimson and 1288 for Bowdoin.

Captain Dick Ludeman '63 and Jim Downward '65 led the victors with scores of 286 out of a possible maximum of 300. Seniors Jerry Skinner and Bruce Peterson had scores of 281, while David Hamada '65 fired a 279.

**Veterans Insure Success**

For the past two years the Engineers have ranked first in both the Greater Boston College Rifle League and the New England College Rifle League; and the return of four of last year's top six shooters insures another successful campaign. Through graduation Tech has lost the services of Steve Smith and Al Gleim, who ranked first and fourth respectively in 1961-62. However, several promising sophomores appear ready to fill their shoes.

In winning all but one of its fifteen regular season matches, last year's squad had an average score of 1417.5. The lone defeat came at the hands of Norwich by a 1418-1413 count.

**Peterson Wins Bronze Medal**

Ludeman was second man a year ago with a 283.9 average and he has been very impressive in practice so far this year. As a junior Peterson compiled a 282.4 average and his 289 earned him a bronze medal in the NECRL finals. Skinner, a very consistent shooter, was sixth man last year.

Joe Boling '64, who shot a 279 Saturday, will be counted on heavily this season. Boling developed quickly towards the end of last year, and posted a 293 in one match for the highest individual effort of any team member.

As freshmen both Downward and Hamada regularly shot in the 280's. Manager George Olah, who had a 275 in Saturday's opener, will be a valuable asset to the team. Sophs Zach Abrams, Karl

Frederick, and Steve Williams will also see a considerable amount of action.

**Tech Faces Strong Foes**

During the season Tech will fire against such New England foes as Northeastern, Boston University, Boston College, and Harvard. During the mid-term break the sharpshooters make their annual Southern trip to face some of the top opposition in the nation, including Rutgers, CCNY, West Point, Annapolis, and King's Point Merchant Marine Academy.

**Sgt. Leamer To Guide Riflemen**

With the departure of Major Robert Ireland, Marine Corps Sergeant Ellis Leamer has assumed the position of rifle coach. Having seen action in both World War II and the Korean War, Sergeant Leamer affords the team benefits of experience gained through many years of shooting under pressure. He is presently affiliated with the Department of Naval Science at MIT.

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